



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

R.C. Aluminum Industries Inc.
2805 NW 75th Ave
Miami, FL 33122

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 HC200 Aluminum Casement Window-L.M.I.

APPROVAL DOCUMENT: Drawing No. **W05-13**, titled "Series HC 200 Aluminum Casement WDW. (L.M.I.)", sheets 1 through 6 of 6, dated 03/15/05, prepared by AL-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 **Herminio F. Gonzalez, P.E., Director, BCCO**



NOA No 05-0427.02
Expiration Date: June 30, 2010
Approval Date: June 30, 2005
Page 1

R.C. Aluminum Industries Inc.

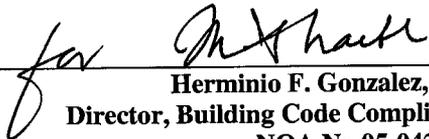
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W05-13**, titled "Series HC 200 Aluminum Casement WDW. (L.M.I.)", sheets 1 through 6 of 6, dated 03/15/05, prepared by AL-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

B. TESTS

1. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94along with marked-up drawings and installation diagram of an aluminum outswing casement window, prepared by Fenestration Testing Laboratory, Test Report No. **FTL-4417**, dated 12/09/04, witnessed by Edmundo Largaespada, P.E.
2. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94along with marked-up drawings and installation diagram of an aluminum outswing casement window, prepared by Fenestration Testing Laboratory, Test Report No. **FTL-4416**, dated 02/09/05, signed and sealed by Edmundo Largaespada, P.E.
3. Test reports on
 - 1) Large Missile Impact Test per FBC, TAS 201-94
 - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of an aluminum outswing casement window, prepared by Fenestration Testing Laboratory, Test Report No. **FTL-4504**, dated 02/02/05, signed and sealed by Edmundo Largaespada, P.E.
4. Test reports on
 - 1) Large Missile Impact Test per FBC, TAS 201-94
 - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94along with marked-up drawings and installation diagram of an aluminum outswing casement window, prepared by Fenestration Testing Laboratory, Test Report No. **FTL-4570**, dated 03/18/05, signed and sealed by Edmundo Largaespada, P.E.



Herminio F. Gonzalez, P.E.
Director, Building Code Compliance
NOA No 05-0427.02
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum outswing casement window, prepared by prepared by Fenestration Testing Laboratory, Test Report No. **FTL-4371**, dated 02/09/05, signed and sealed by Edmundo Largaespada, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300, and structural analysis, dated March 12, 2005, prepared by AL-Farooq Corporation, signed and sealed by Humayoun Farooq, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **02-0828.15** issued to E.I. DuPont DeNemours for their "DuPont Butacite PVB Material" dated 11/21/02, expiring on 12/11/05.

F. STATEMENTS

1. Statement letter of conformance, dated March 12, 2005, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated March 12, 2005, signed and sealed by Humayoun Farooq, P.E.

G. OTHER

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC)



Herminio F. Gonzalez, P.E.
Director, Building Code Compliance
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THESE WINDOWS ARE RATED FOR LARGE MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

SERIES HC200 ALUMINUM CASEMENT WINDOW

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER
CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS
OF CASMT/CASMT OR CASMT WITH OTHER WINDOW TYPES IN MODULES
OF TWO OR MORE WINDOWS USING APPROVED MULLIONS IN BETWEEN.

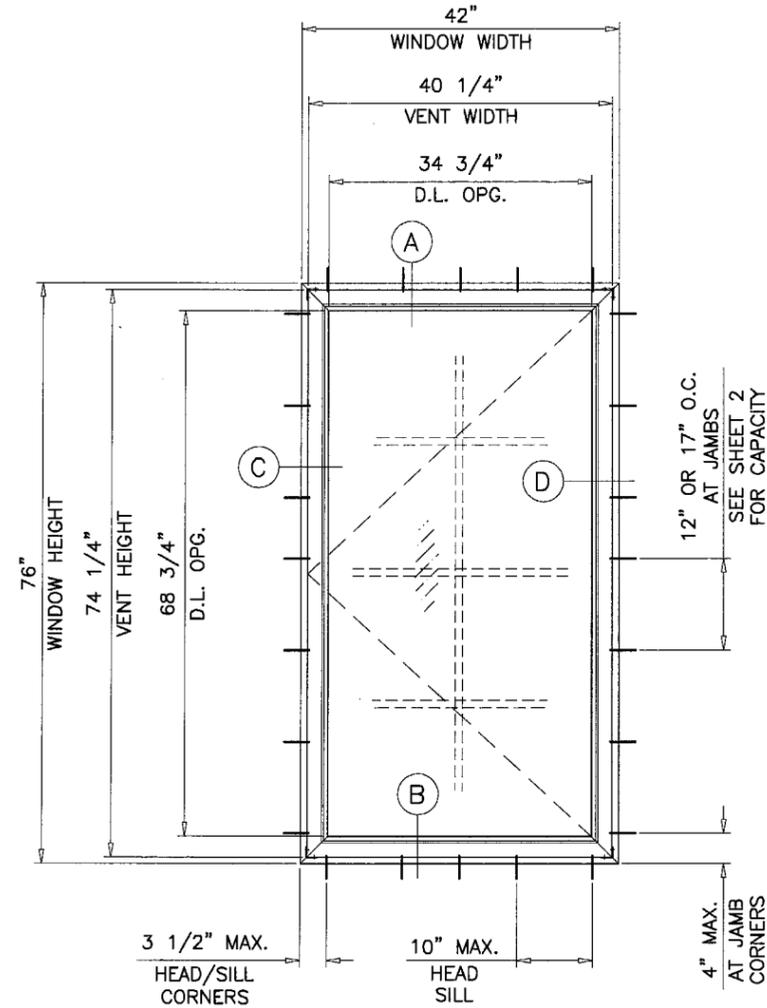
LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL
WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY
HURRICANE ZONE.

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER
LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS.
ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL
DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS
ARE NOT PART OF THIS APPROVAL.



TYPICAL ELEVATION

Approved as complying with the
Florida Building Code
Date 06/30/05
NOAH 05-0422.02
Miami Code Product Control
Division
By [Signature]

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

[Signature]
APR 15 2005

afc
AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W05-13RC

SERIES HC200 ALUMINUM CASEMENT WDW. (L.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

no	date	by	description

date: 03-15-05
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

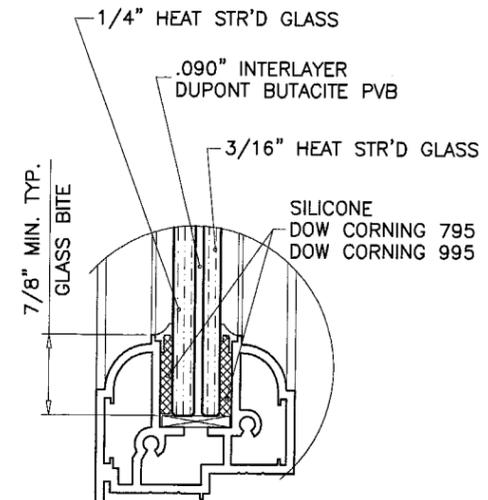
drawing no.
W05-13
sheet 1 of 6

DESIGN LOAD CAPACITY - PSF FOR (X) SIZES									
WINDOW DIMS.		JAMB ANCHORS AT 17" O.C.				JAMB ANCHORS AT 12" O.C.			
		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'A'		GLASS TYPE 'B'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
20"	36"	130.0	180.0	150.0	210.0	130.0	180.0	150.0	210.0
24"		130.0	180.0	150.0	210.0	130.0	180.0	150.0	210.0
28"		130.0	180.0	150.0	210.0	130.0	180.0	150.0	210.0
32"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
36"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
40"		130.0	153.0	130.0	150.0	130.0	165.0	130.0	150.0
42"		130.0	145.7	130.0	145.7	130.0	165.0	130.0	150.0
20"	42"	130.0	180.0	150.0	210.0	130.0	180.0	150.0	210.0
24"		130.0	180.0	150.0	210.0	130.0	180.0	150.0	210.0
28"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
32"		130.0	163.9	130.0	150.0	130.0	165.0	130.0	150.0
36"		130.0	145.7	130.0	145.7	130.0	165.0	130.0	150.0
40"		130.0	131.1	130.0	131.1	130.0	165.0	130.0	150.0
42"		130.0	124.9	130.0	124.9	130.0	165.0	130.0	150.0
20"	48"	130.0	180.0	150.0	210.0	130.0	180.0	150.0	210.0
24"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
28"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
32"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
36"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
40"		130.0	153.0	130.0	150.0	130.0	165.0	130.0	150.0
42"		130.0	145.7	130.0	145.7	130.0	165.0	130.0	150.0
20"	54"	130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
24"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
28"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
32"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
36"		130.0	151.1	130.0	150.0	130.0	165.0	130.0	150.0
40"		130.0	136.0	130.0	136.0	130.0	165.0	130.0	150.0
42"		130.0	129.5	130.0	129.5	130.0	161.9	130.0	150.0
20"	60"	130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
24"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
28"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
32"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
36"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
40"		110.0	120.0	130.0	150.0	110.0	120.0	130.0	150.0
42"		110.0	120.0	130.0	145.7	110.0	120.0	130.0	150.0
20"	66"	130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
24"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
28"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
32"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
36"		110.0	120.0	130.0	150.0	110.0	120.0	130.0	150.0
40"		110.0	120.0	130.0	139.1	110.0	120.0	130.0	150.0
42"		110.0	120.0	130.0	132.5	110.0	120.0	130.0	150.0
20"	72"	130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
24"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
28"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
32"		130.0	159.4	130.0	150.0	130.0	165.0	130.0	150.0
36"		110.0	120.0	130.0	141.7	110.0	120.0	130.0	150.0
40"		110.0	120.0	127.5	127.5	110.0	120.0	130.0	150.0
42"		110.0	120.0	121.4	121.4	110.0	120.0	130.0	150.0

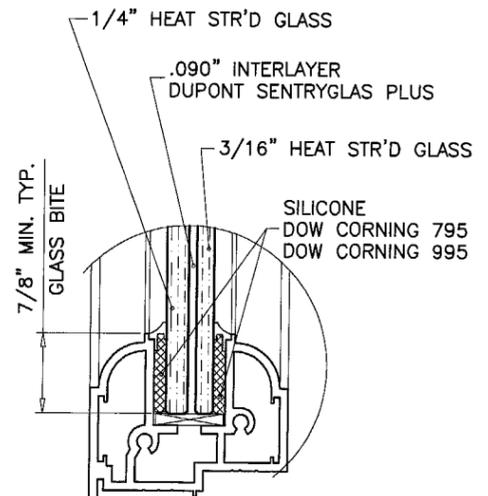
DESIGN LOAD CAPACITY - PSF FOR (X) SIZES									
WINDOW DIMS.		JAMB ANCHORS AT 17" O.C.				JAMB ANCHORS AT 12" O.C.			
		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'A'		GLASS TYPE 'B'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
20"	78"	130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
24"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
28"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
32"		110.0	120.0	130.0	150.0	110.0	120.0	130.0	150.0
36"		110.0	120.0	130.0	150.0	110.0	120.0	130.0	150.0
40"		110.0	120.0	124.0	141.2	110.0	120.0	124.0	143.0
42"		110.0	120.0	124.0	141.2	110.0	120.0	124.0	143.0
20"	84"	130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
24"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
28"		110.0	120.0	130.0	150.0	110.0	120.0	130.0	150.0
32"		110.0	120.0	118.0	136.2	110.0	120.0	118.0	136.2
36"		106.6	120.0	106.6	123.0	106.6	120.0	106.6	123.0

DESIGN LOAD CAPACITY - PSF FOR (X) SIZES									
WINDOW DIMS.		JAMB ANCHORS AT 17" O.C.				JAMB ANCHORS AT 12" O.C.			
		GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'A'		GLASS TYPE 'B'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
19-1/8"	26"	130.0	180.0	150.0	210.0	130.0	180.0	150.0	210.0
26-1/2"		130.0	180.0	150.0	210.0	130.0	180.0	150.0	210.0
37"		130.0	180.0	150.0	210.0	130.0	180.0	150.0	210.0
42"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
42"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
19-1/8"	38-3/8"	130.0	180.0	150.0	210.0	130.0	180.0	150.0	210.0
26-1/2"		130.0	180.0	150.0	210.0	130.0	180.0	150.0	210.0
37"		130.0	155.2	130.0	150.0	130.0	165.0	130.0	150.0
42"	130.0	136.7	130.0	136.7	130.0	165.0	130.0	150.0	
19-1/8"	50-5/8"	130.0	180.0	150.0	210.0	130.0	180.0	150.0	210.0
26-1/2"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
37"		130.0	156.8	130.0	150.0	130.0	165.0	130.0	150.0
42"		130.0	138.2	130.0	138.2	130.0	165.0	130.0	150.0
19-1/8"	63"	130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
26-1/2"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
37"		130.0	157.5	130.0	150.0	130.0	165.0	130.0	150.0
42"		110.0	120.0	130.0	138.8	110.0	120.0	130.0	150.0
19-1/8"	76"	130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
26-1/2"		130.0	165.0	130.0	150.0	130.0	165.0	130.0	150.0
37"		110.0	120.0	130.0	130.6	110.0	120.0	130.0	150.0
42"		110.0	115.0	130.0	115.0	110.0	120.0	130.0	150.0

EXTERIOR



GLASS TYPE 'A'



GLASS TYPE 'B'

GLAZING OPTIONS

Approved as complying with the Florida Building Code
 Date 06/30/05
 NOAH 05-0422-02
 Miami Dade Product Control
 Division
 By M. Khal

Engr. DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538

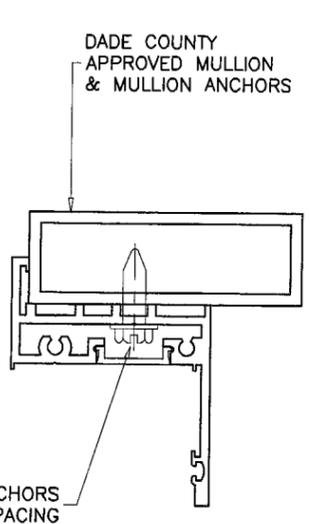
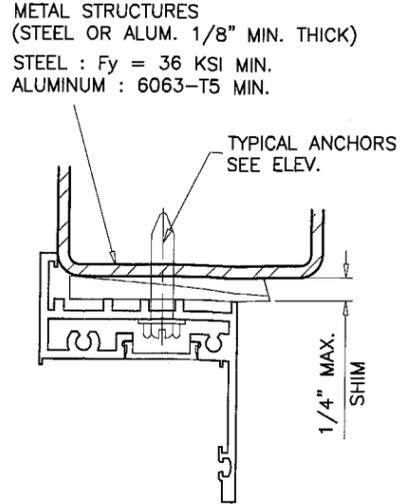
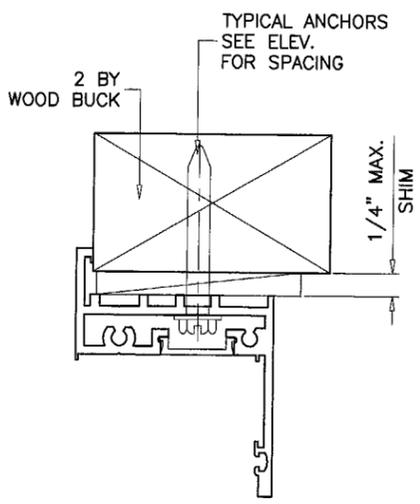
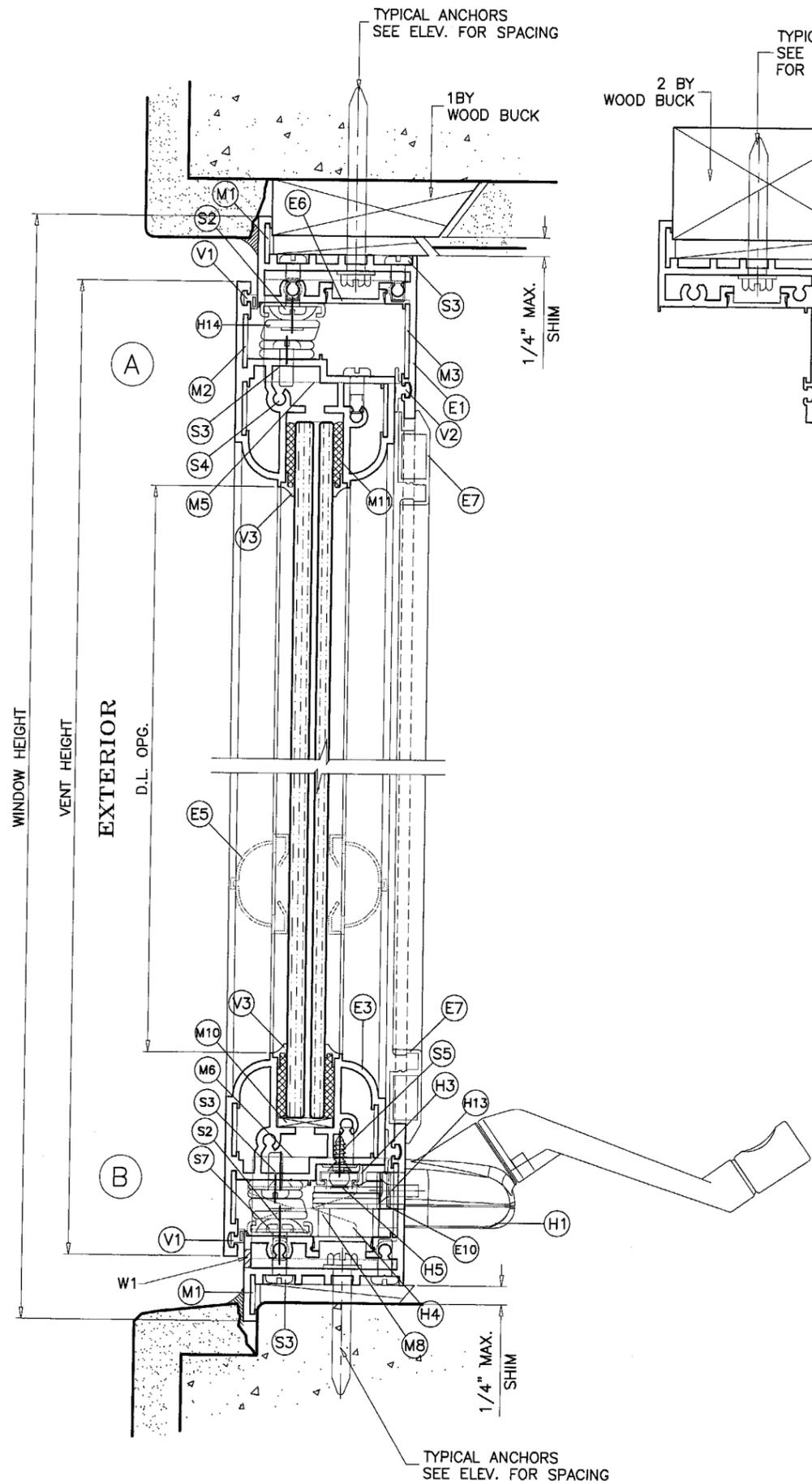
APR 15 2005

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978

SERIES HC200 ALUMINUM CASEMENT WDW. (L.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
 2805 N.W. 75 TH AVE.
 MIAMI, FL. 33122
 TEL. (305) 592-1515 FAX. (305) 592-2184

revisions:	no	date	by	description

date: 03-15-05
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:



METAL STRUCTURES
(STEEL OR ALUM. 1/8" MIN. THICK)
STEEL : Fy = 36 KSI MIN.
ALUMINUM : 6063-T5 MIN.

DADE COUNTY
APPROVED MULLION
& MULLION ANCHORS

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" HILTI KWIK-CON II
INTO WOOD STRUCTURES
WITH 1-3/8" MIN. PENETRATION INTO WOOD
THRU WOOD BUCKS INTO MASONRY
WITH 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

1/4" HILTI KWIK-CON II
DIRECTLY INTO MASONRY
WITH 1-1/4" MIN. EMBED INTO MASONRY

#14 SMS OR 1/4-20 TEKS SELF DRILLING SCREWS
INTO METAL STRUCTURES
(STEEL OR ALUMINUM 1/8" MIN. THICK.)
STEEL : Fy = 36 KSI MIN.
ALUMINUM : 6063-T5 MIN.

TYPICAL EDGE DISTANCE
INTO CONCRETE AND MASONRY = 2" MIN.
INTO WOOD = 1" MIN.

SEALANTS:
ALL FRAME AND VENT CORNERS SEALED WITH SILICONE.

WEEP HOLES:
W1 = 1/4" X 1/2" WEEP SLOT AT 4" FROM EACH END

Approved as complying with the
Florida Building Code
Date 06/30/05
NOAH 05-0427.02
Miami Dade Product Control
Division
By [Signature]

Engr. DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

APR 15 2005

WOOD BUCKS NOT BY RC ALUMINUM, MUST SUSTAIN
LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER
THEM TO THE BUILDING STRUCTURE.

afc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W05-13RC

SERIES HC200 ALUMINUM CASEMENT WDW. (L.M.I.)

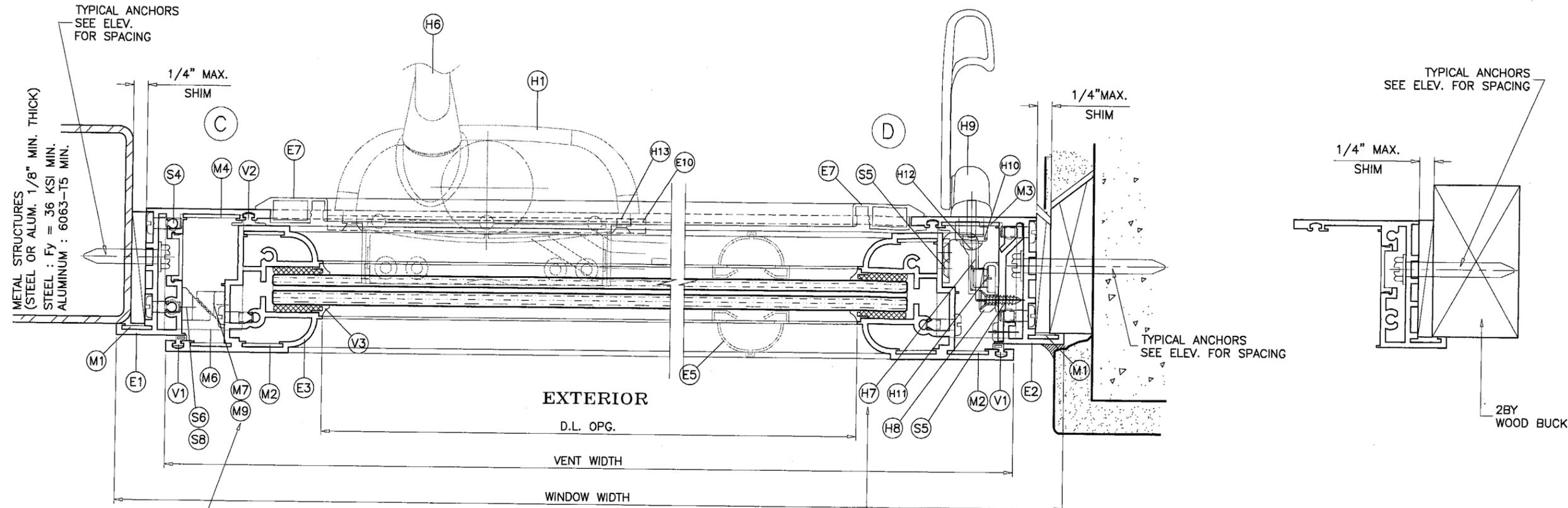
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

no	date	description

date: 03-15-05
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dr. by: HAMID
chk. by:

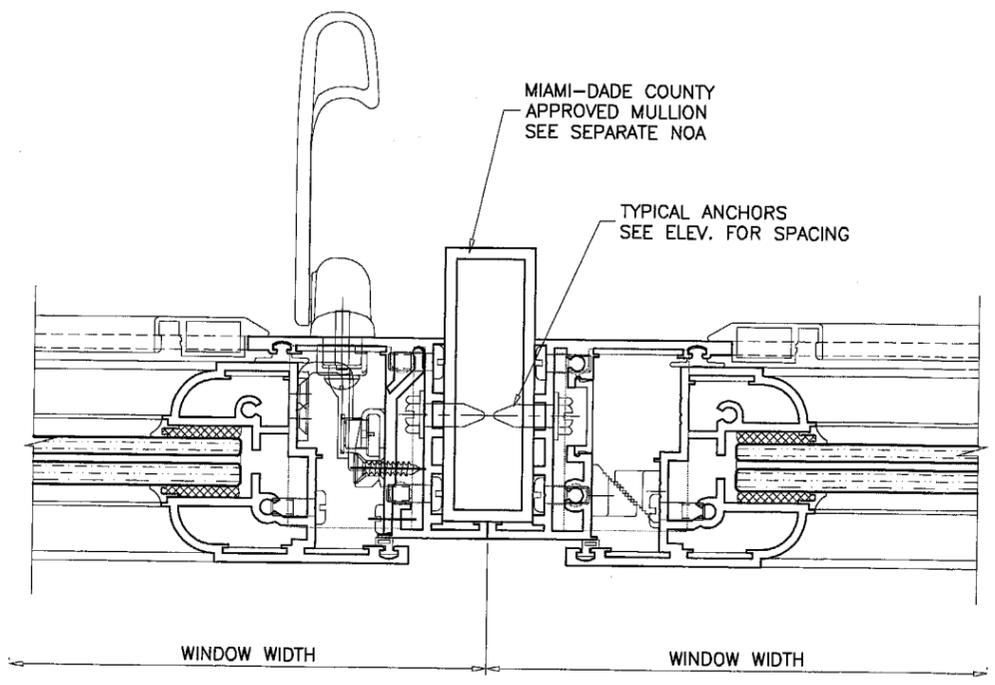
drawing no.
W05-13

sheet 3 of 6



SNUBBERS
 3 PLASTIC SNUBBERS UP TO 38-3/8" WDW. HTS.
 2 ALUM + 2 PLASTIC SNUBBERS UP TO 60" WDW. HTS.
 3 ALUM + 2 PLASTIC SNUBBERS OVER 60" WDW. HTS.

LATCH KEEPER
 3 PER JAMB UP TO 38-3/8" WDW. HTS.
 4 PER JAMB UP TO 63" WDW. HTS.
 5 PER JAMB OVER 63" WDW. HTS.



Approved as complying with the
Florida Building Code
Date 06/30/05
NOA# 05-0422.02
Miami Dade Product Control
Division
By [Signature]

Engr: DR. HUMAYOUN FAROOQ
STRUCTURES
FLA. PE # 16557
C.A.N. 3538

[Signature]

APR 15 2005

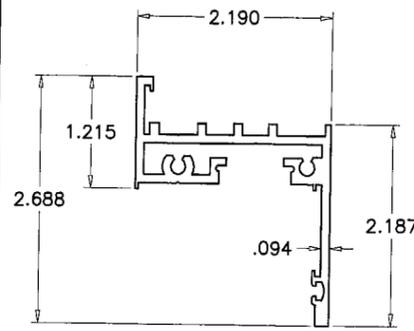
AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W05-13RC

R.C. ALUMINUM INDUSTRIES INC.
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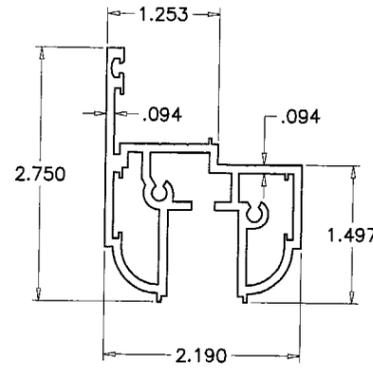
SERIES HC200 ALUMINUM CASEMENT WDW. (L.M.I.)

no	date	by	description

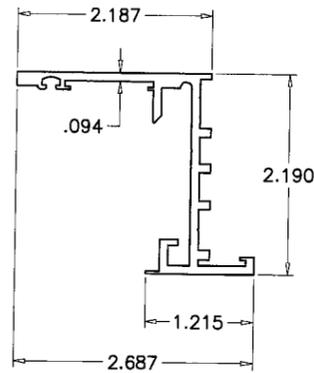
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 drawing no. **W05-13**
 sheet 4 of 6



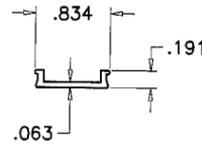
E1 FRAME TOP/BOTTOM/JAMB



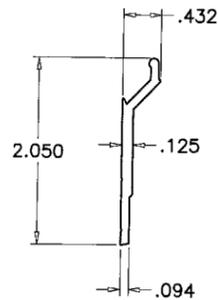
E3 VENT TOP/BOTTOM/JAMB



E2 FRAME LOCK JAMB



E6 SNAP COVER



E4 LOCKING HOLDER HOOK

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	HC200-001	3/ WDW.	FRAME TOP , BOTTOM & JAMB (NON LOCK)	6063-T6	-
E2	HC200-002	1/ WDW.	FRAME LOCK JAMB	6063-T6	-
E3	HC200-003	4/ WDW.	VENT TOP , BOTTOM & JAMBS	6063-T6	-
E4	HC200-004	1/ WDW.	LOCKING HOLDER HOOK	6063-T6	-
E5	HC200-005	AS REQD.	OPTIONAL MUNTIN	ALUMINUM	-
E6	BD4500-015	4/ WDW.	SNAP COVER (OPTIONAL)	ALUMINUM	-
E7	1/ WDW.	-	SCREEN (OPTIONAL)	ALUMINUM	-
E10	CM100-022	-	ANCHOR ARM FOR ROTO OPERATOR	-	-
V1	V-059	AS REQD.	EXTERIOR W/STP. VINYL	PVC	-
V2	V-033A	AS REQD.	TR-5804N COMPRESSION GASKET (INSIDE)	NEOPRENE	TREMCO
V3	P-021 (OPTIONAL)	AS REQD.	COSMETIC COVER SEAL MELTPOINT	-	-
M1	HC200-M01	1/ CORNER	FRAME SMALL CORNER LOCK	ST. STEEL	16 GA.
M2	HC200-M02	3/ CORNER	VENT CORNER LOCK	ST. STEEL	16 GA.
M3	HC200-M03	1/ CORNER	FRAME LARGE CORNER LOCK	ST. STEEL	16 GA.
M4	HC200-M04	1	FRAME LARGE CORNER LOCK (AT ROTO OPERATOR ONLY)	ST. STEEL	16 GA.
M5	HC200-M05	1/ CORNER	LEFT HAND FRAME CORNER LOCK	6063-T6	-
M6	HC200-M06	1/ CORNER	RIGHT HAND FRAME CORNER LOCK	6063-T6	-
M7	HC200-M07	-	ALUMINUM SNUBBER	-	-
M8	P-030	-	NYLON CAM	-	-
M9	P#12206	-	NYLON SNUBBERS	-	-
M10		AS REQD.	1/8"x3/4" SETTING BLOCK	NEOPRENE	-
M12	HC200-M08	-	GUIDE HOUSING	ALUMINUM	-
M13	P-031	-	SHIM ANTI FRICTION	PLASTIC	-
H1	CD25	-	9.5" SINGLE ARM OPERATOR	ST/ST	ROTO HARDWARE
H3	CB304	1/ WDW.	SURFACE MOUNT OPERATOR	-	ROTO HARDWARE
H4	CB253	1	8.5 MM. OPERATOR BOTTOM SPACER	-	ROTO HARDWARE
H5	CB201	1	OPERATOR TOP SPACER	-	ROTO HARDWARE
H7	L1305-2111	3	KEEPERS	ST/ST	ROTO HARDWARE
H8	GT553	-	GUIDE HOUSING	-	ROTO HARDWARE
H9	LH088-7510	-	WHITE HANDLE	-	ROTO HARDWARE
H10	G2-HND-LPLT-02	-	HANDLE FASTENER PLATE	-	ROTO HARDWARE
H11	LB06	1	LOCK POINT STAINLESS STEEL	-	ROTO HARDWARE
H12	GT990	-	#10-32X 3/8" LG. PH. MACHINE SCREW (LOCKING HANDLE)	ST/ST	-
H13	M1000	-	#8-32X 3/4" LG. PHL. FH. THREAD CUTTING (ANCHOR ARM)	ST/ST	-
H14		2	4 BAR HINGE	-	TRUTH OR BRONZE CRAFT
S2		-	#10 X 3/8" LG. PH. PHL. SMS. (ARM-FRAME)	ST/ST	-
S3		-	#10 X 1/2" LG. PH. PHL. SMS. (ARM-VENT)	ST/ST	-
S4		-	#10 X 1" LG. PH. PHL. SMS. (ASSEMBLY)	ST/ST	-
S5		-	#8-32 X 1/2" LG. FH. PHL. (GUIDES-SURFACE MOUNT)	ST/ST	-
S6		-	#6 X 1/2" LG. FH. PHL. SMS. (SNUBBERS)	ST/ST	-
S7		-	#10 X 1/2" LG. PHL. FH. SMS.	ST/ST	-
S8		-	#6 X 1/2" LG. PH. SMS. ST/ST AT ALUM. SNUBBER	-	-

Approved as complying with the
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 Date: 06/30/05
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 Miami Dade Product Control
 Division
 By: *M. Shah*

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 STRUCTURES
 FLA. PE # 16557
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APR 15 2005

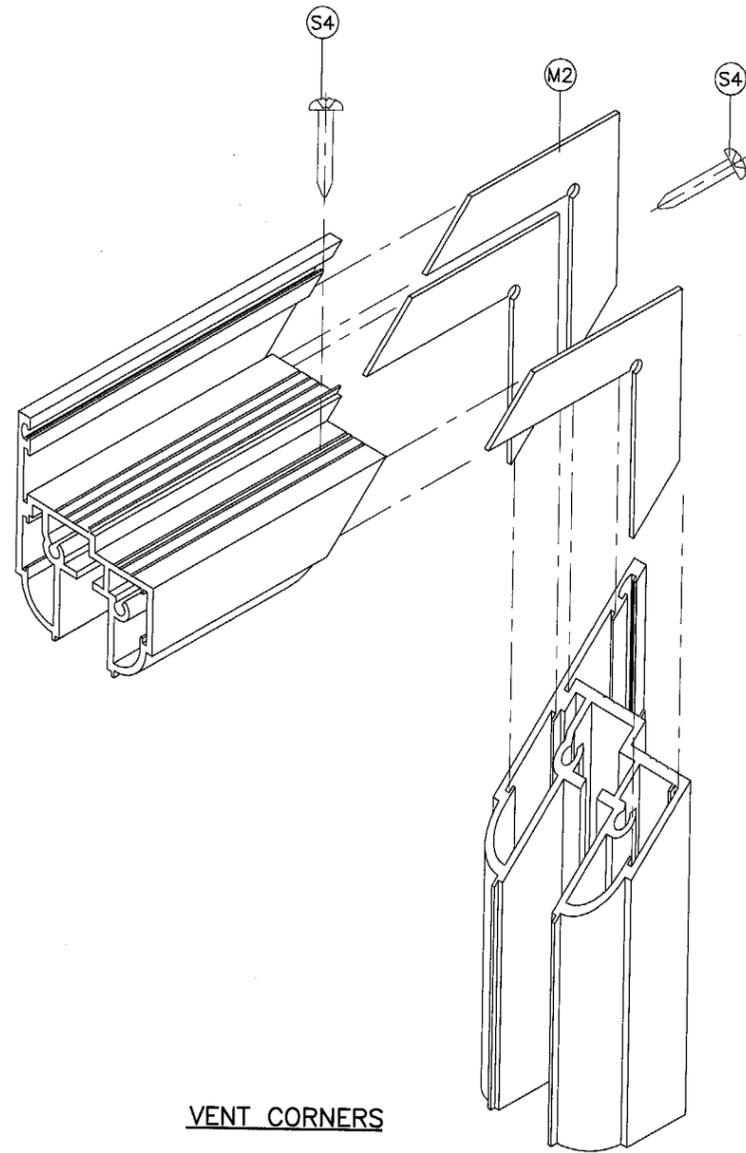
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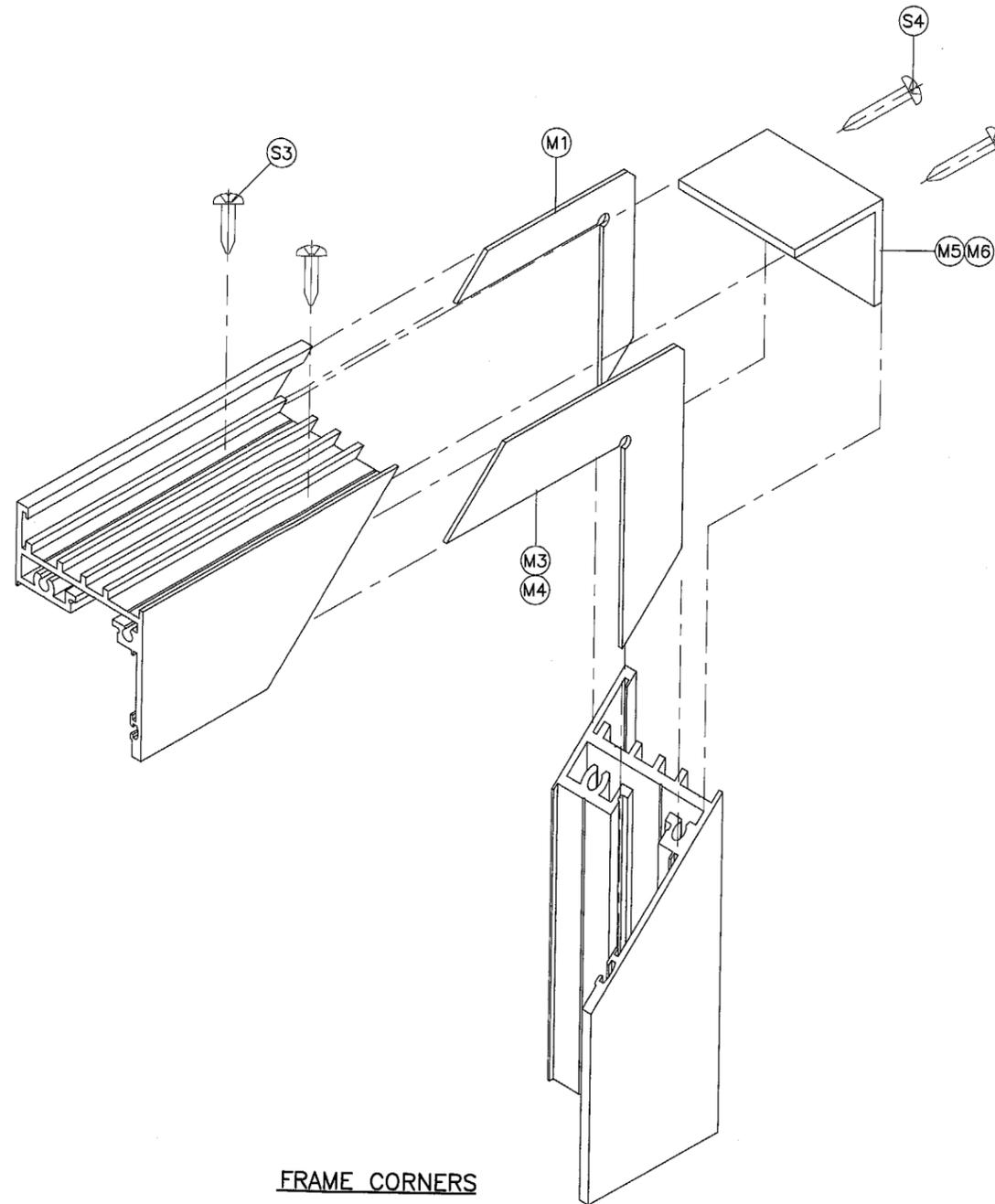
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date: 03-15-05
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drawing no.
W05-13
 sheet 5 of 6



VENT CORNERS



FRAME CORNERS

Approved as complying with the
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 Date 06/30/05
 NOA# 05-0423-02
 Miami Dade Product Control
 Division
 By [Signature]

Engr: DR. HUMAYOUN FAROOQ
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