



**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**

NOTICE OF ACCEPTANCE (NOA)

**R.C. Aluminum Industries, Inc.
2805 NW 75 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 CM100 Aluminum Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W04-16**, titled “ Series CM100 Aluminum Casement Window (L.M.I.)”, sheets 1 through 7 of 7, dated 03/01/04, 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.**

Handwritten initials and date: JG 7/2/04



**NOA No 04-0608.01
Expiration Date: July 29, 2009
Approval Date: July 29, 2004
Page 1**

R.C. Aluminum Industries, Inc.

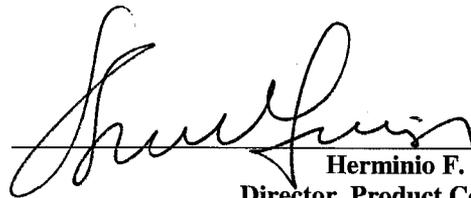
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **W04-16**, titled " Series CM 100Aluminum Casement Window (L.M.I.)", sheets 1 through 7 of 7, dated 03/01/04, 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) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum casement window , prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1346**, dated September 16, 2003, signed and sealed by Rafael E. Droz-Seda, P.E.
2. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1856**, dated September 17, 2003, signed and sealed by Rafael E. Droz-Seda, P.E.
3. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1859**, dated January 16, 2004, signed and sealed by Rafael E. Droz-Seda, P.E.
4. 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) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1350**, dated October 14, 2003, signed and sealed by Rafael E. Droz-Seda, P.E.



Herminio F. Gonzalez, P.E.
Director, Product Control Division
NOA No 04-0608.01
Expiration Date: July 29, 2009
Approval Date: July 29, 2004

R.C. Aluminum Industries, Inc.

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) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1344**, dated September 12, 2003, signed and sealed by Rafael E. Droz-Seda, P.E.
6. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum casement window, prepared by Hurricane Engineering & Testing Inc., Test Report No. **HETI-03-1848**, dated September 17, 2003, signed and sealed by Rafael E. Droz-Seda, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300, and structural analysis, prepared by AL-Farooq Corporation, dated 05/05/04, 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. **00-1212.04** issued to E.I. DuPont DeNemours for "Dupont Butacite ® PVB", dated 02/15/01, expiring on 12/12/05.

F. STATEMENTS

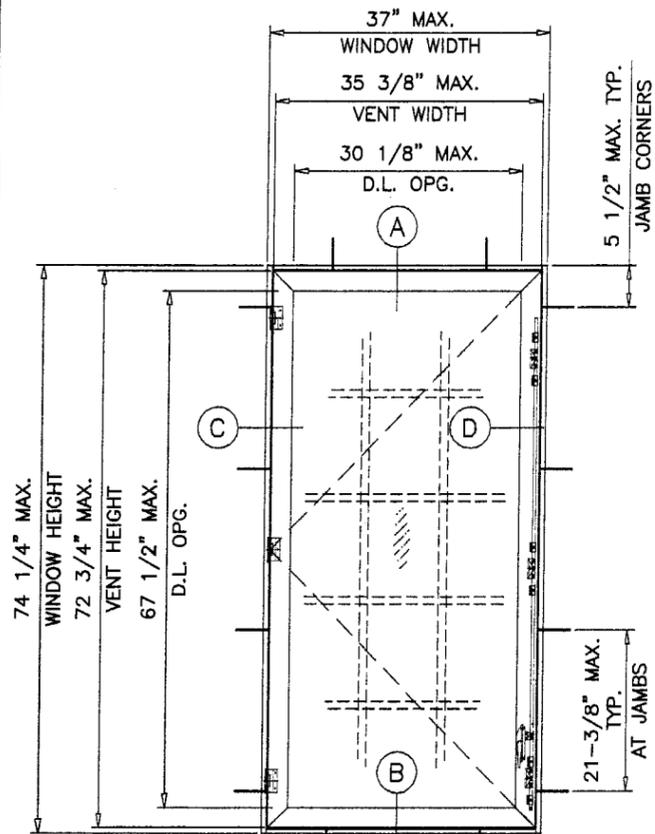
1. Statement letter of compliance, dated May 05, 2004, signed and sealed by Humayoun Farooq, P.E.
2. Statement letter of no financial interest, dated May 05, 2004, signed and sealed by Humayoun Farooq, P.E.

G. OTHER

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

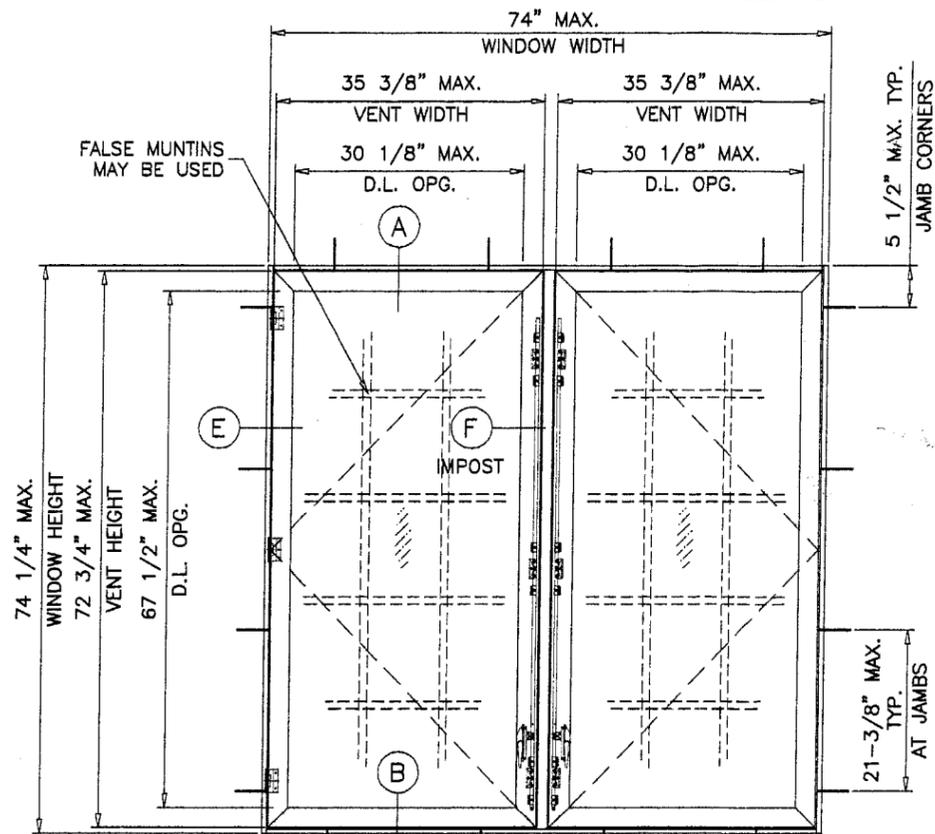


Herminio E. Gonzalez, P.E.
Director, Product Control Division
NOA No 04-0608.01
Expiration Date: July 29, 2009
Approval Date: July 29, 2004



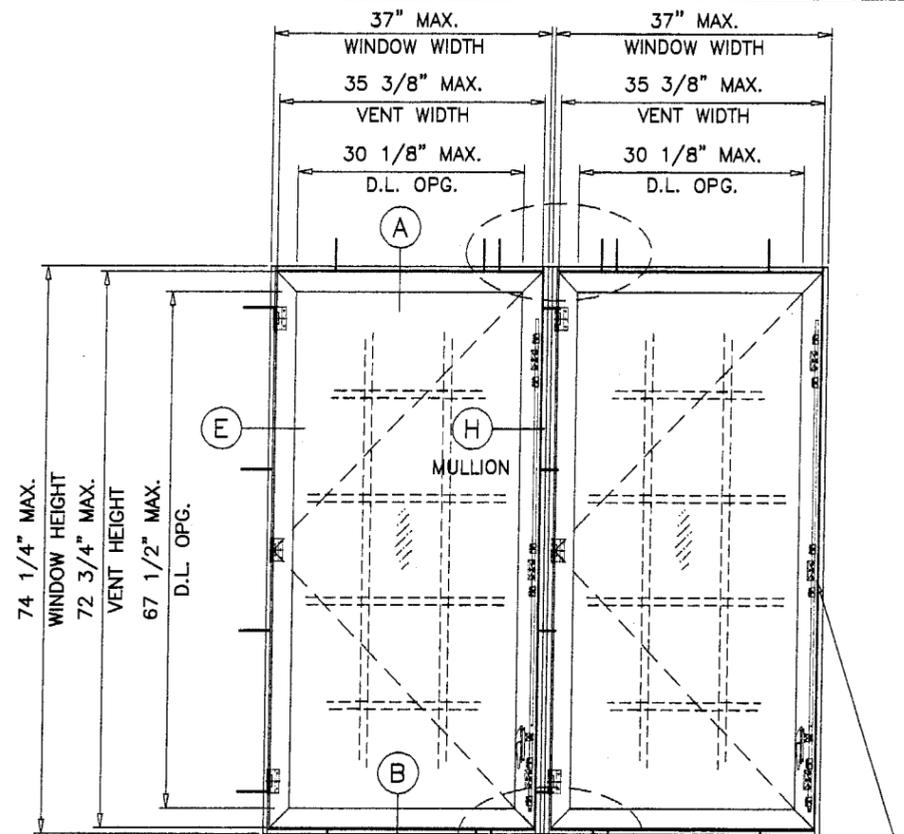
8 5/8" MAX. TYP.
HEAD/SILL CORNERS

SINGLE VENT WDW.



8 5/8" MAX. TYP.
HEAD/SILL CORNERS

DUAL VENT WDW.

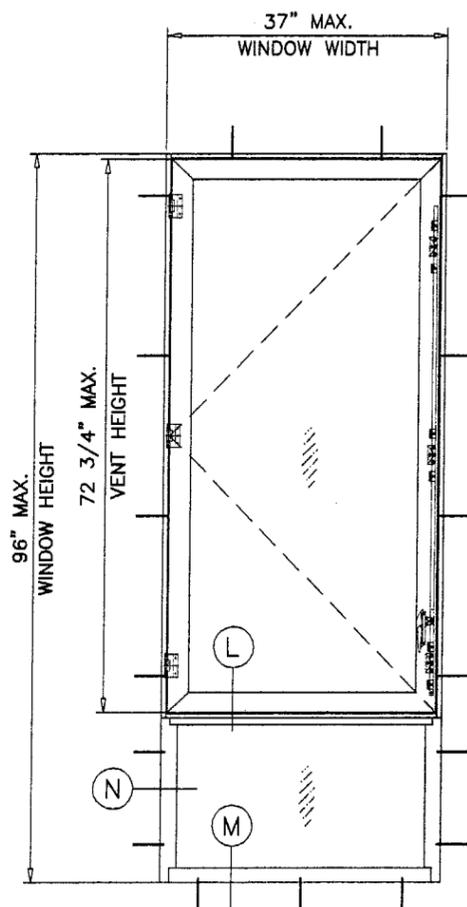
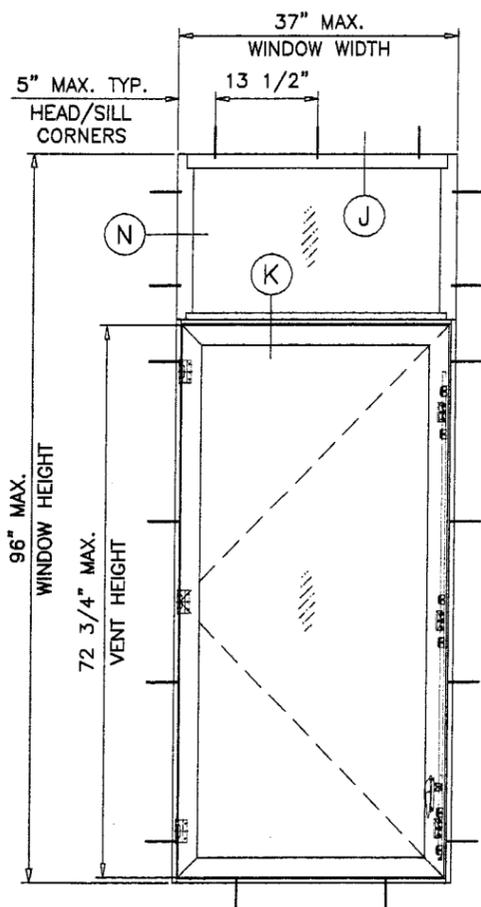


8 5/8" MAX. TYP.
HEAD/SILL CORNERS

SIDE BY SIDE WDWs.

LOCKING POINTS
SEE CHARTS
ON SHEET 2

ONE OR TWO ANCHORS
AT EACH SIDE
SEE CHART SHEET 2



**CM100 OPERATING/FIXED
ALUMINUM CASEMENT WINDOWS**

APPROVAL APPLIES TO SINGLE VENT WINDOWS
OR DUAL VENT WINDOWS USING INTEGRAL
IMPOST.

ALSO TOP AND BOTTOM COMBINATIONS OF FIXED
AND CASEMENT WINDOWS USING STACKING
HEAD/SILL WITHOUT MULLION.

ALSO TO SIDE BY SIDE COMBINATIONS
OF CASEMENT/FIXED, CASEMENT/CASEMENT
OR WITH OTHER WINDOW TYPES IN
MODULES OF TWO OR MORE WINDOWS
USING APPROVED MULLIONS.

RATING OF FIXED WINDOWS UNDER SEPARATE NOA.

THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE
ZONE OF THE 2001 FLORIDA BUILDING CODE.

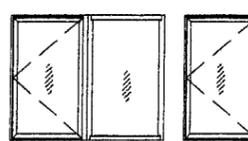
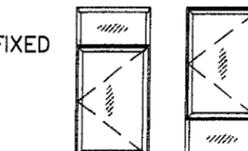
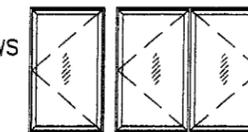
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER
LOADS TO THE STRUCTURE.

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.

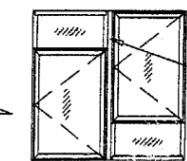
A 33% INCREASE IN ALLOWABLE STRESS WAS USED IN DESIGN OF ANCHORS.

Approved as complying with the
Florida Building Code
Date 07/29/04
NOA# 04-0608.01
Miami Dade Product Control
Division
By *[Signature]*



WINDOWS GLAZED WITH LAMINATED GLASS
RATED FOR LARGE MISSILE IMPACT
AND DO NOT REQUIRE SHUTTERS.

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



MULLION CAPACITY
FOR THIS OPTION
SEE SEPARATE
MULLION NOA

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

JUN 04 2004

afsc

AL-FAROOQ CORPORATION
ENGINEERS, PLANNERS & PRODUCT DESIGN
1235 SW 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANI-W04-16RC

CM100 ALUMINUM CASEMENT WINDOW (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

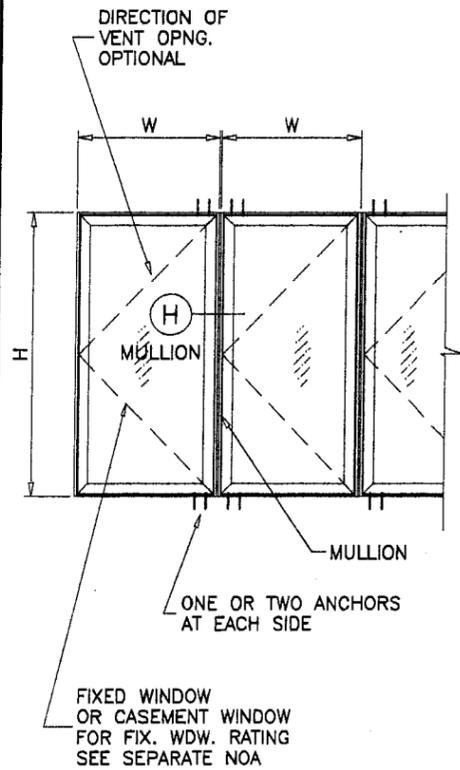
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date: 03-01-04
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by: *[Signature]*

drawing no.
W04-16

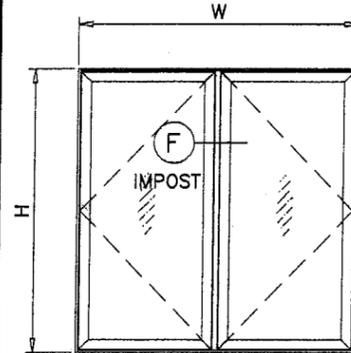
sheet 1 of 7

| DESIGN LOAD CAPACITY - PSF SIDE BY SIDE SINGLE VENT WINDOWS | | | | |
|--|------------|----------------------------|-----------------------------|------|
| WINDOW DIMS. | | GLASS TYPES 'A' & 'B' | | |
| | | ONE ANCHOR AT EACH SIDE | TWO ANCHORS AT EACH SIDE | |
| WIDTH (W) | HEIGHT (H) | EXT.(+) & INT.(-) | EXT.(+) & INT.(-) | |
| 19-1/8" | 38-3/8" | 80.0 | 80.0 | |
| 24" | | 80.0 | 80.0 | |
| 26-1/2" | | 80.0 | 80.0 | |
| 30" | | 80.0 | 80.0 | |
| 37" | | 80.0 | 80.0 | |
| 42" | | 77.0 | 80.0 | |
| 48" | | 67.4 | 80.0 | |
| 53-1/8" | | 60.9 | 80.0 | |
| 19-1/8" | 48" | 80.0 | 80.0 | |
| 24" | | 80.0 | 80.0 | |
| 26-1/2" | | 80.0 | 80.0 | |
| 30" | | 80.0 | 80.0 | |
| 37" | | 69.9 | 80.0 | |
| 42" | | 61.6 | 80.0 | |
| 48" | | 53.9 | 80.0 | |
| 53-1/8" | | 48.7 | 80.0 | |
| 19-1/8" | 50-5/8" | 80.0 | 80.0 | |
| 24" | | 80.0 | 80.0 | |
| 26-1/2" | | 80.0 | 80.0 | |
| 30" | | 80.0 | 80.0 | |
| 37" | | 66.3 | 80.0 | |
| 42" | | 58.4 | 80.0 | |
| 48" | | 51.1 | 80.0 | |
| 53-1/8" | | 46.2 | 80.0 | |
| 19-1/8" | 60" | 80.0 | 80.0 | |
| 24" | | 80.0 | 80.0 | |
| 26-1/2" | | 78.1 | 80.0 | |
| 30" | | 69.0 | 80.0 | |
| 37" | | 55.9 | 80.0 | |
| 42" | | 49.3 | 80.0 | |
| 19-1/8" | | 63" | 80.0 | 80.0 |
| 24" | | | 80.0 | 80.0 |
| 26-1/2" | 74.4 | | 80.0 | |
| 30" | 65.7 | | 80.0 | |
| 37" | 53.3 | | 80.0 | |
| 42" | 46.9 | | 80.0 | |
| 19-1/8" | 66" | | 80.0 | 80.0 |
| 24" | | | 78.4 | 80.0 |
| 26-1/2" | | 71.0 | 80.0 | |
| 30" | | 62.7 | 80.0 | |
| 37" | | 50.8 | 80.0 | |
| 19-1/8" | | 72" | 80.0 | 80.0 |
| 24" | | | 71.8 | 80.0 |
| 26-1/2" | | | 65.1 | 80.0 |
| 30" | 57.5 | | 80.0 | |
| 37" | 46.6 | | 72.8 | |
| 19-1/8" | 74-1/4" | | 80.0 | 80.0 |
| 24" | | | 69.7 | 80.0 |
| 26-1/2" | | | 63.1 | 80.0 |
| 30" | | 55.7 | 78.4 | |
| 37" | | 45.2 | 65.9 | |



| WDW. HEIGHT UPTO | NO. OF KEEPERS AT SASH | NO. OF HINGES AT SASH |
|------------------|------------------------|-----------------------|
| 29-1/4" | 2 | 2 |
| 42" | 3 | 2 |
| 44-1/4" | 3 | 3 |
| 59-1/4" | 4 | 3 |
| 74-1/4" | 5 | 3 |

| DESIGN LOAD CAPACITY - PSF DUAL VENT WINDOWS | | |
|---|------------|-----------------------|
| WINDOW DIMS. | | GLASS TYPES 'A' & 'B' |
| WIDTH (W) | HEIGHT (H) | EXT.(+) & INT.(-) |
| 37" | 38-3/8" | 80.0 |
| 48" | | 80.0 |
| 53-1/8" | | 80.0 |
| 60" | | 80.0 |
| 72" | | 80.0 |
| 74" | | 80.0 |
| 37" | 50-5/8" | 80.0 |
| 48" | | 80.0 |
| 53-1/8" | | 80.0 |
| 60" | | 80.0 |
| 72" | | 80.0 |
| 74" | | 80.0 |
| 37" | 60" | 80.0 |
| 48" | | 80.0 |
| 53-1/8" | | 80.0 |
| 60" | | 80.0 |
| 72" | | 80.0 |
| 74" | | 80.0 |
| 37" | 63" | 80.0 |
| 48" | | 80.0 |
| 53-1/8" | | 80.0 |
| 60" | | 80.0 |
| 72" | | 80.0 |
| 74" | | 80.0 |
| 37" | 66" | 80.0 |
| 48" | | 80.0 |
| 53-1/8" | | 80.0 |
| 60" | | 80.0 |
| 72" | | 80.0 |
| 74" | | 78.4 |
| 37" | 72" | 80.0 |
| 48" | | 80.0 |
| 53-1/8" | | 80.0 |
| 60" | | 80.0 |
| 72" | | 73.9 |
| 74" | | 71.9 |
| 37" | 74-1/4" | 80.0 |
| 48" | | 80.0 |
| 53-1/8" | | 80.0 |
| 60" | | 80.0 |
| 72" | | 71.0 |
| 74" | | 69.7 |



| WDW. HEIGHT UPTO | NO. OF KEEPERS AT SASH | NO. OF HINGES AT SASH |
|------------------|------------------------|-----------------------|
| 42" | 2 | 2 |
| 74-1/4" | 3 | 3 |

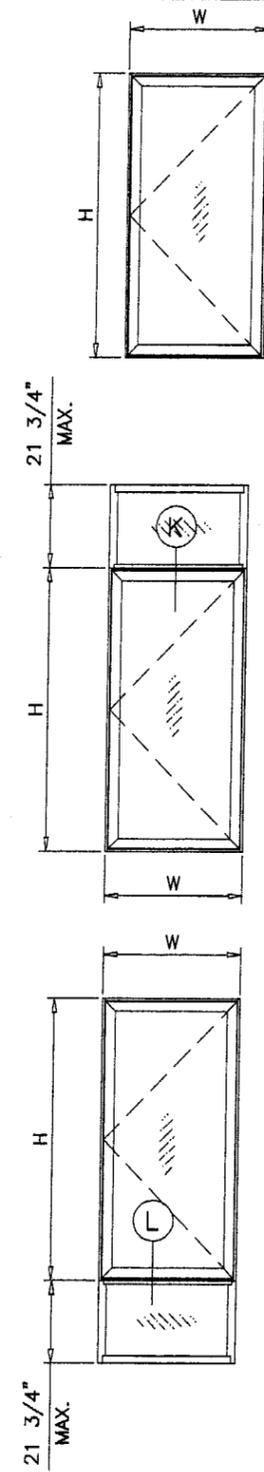
Approved as complying with the Florida Building Code
 Date 07/29/04
 NOA# 04-0602.01
 Miami Dade Product Control
 Division
 By *Juy*

| DESIGN LOAD CAPACITY - PSF SINGLE VENT WINDOWS | | |
|---|------------|-----------------------|
| WINDOW DIMS. | | GLASS TYPES 'A' & 'B' |
| WIDTH (W) | HEIGHT (H) | EXT.(+) & INT.(-) |
| 19-1/8" | 26" | 80.0 |
| 24" | | 80.0 |
| 26-1/2" | | 80.0 |
| 30" | | 80.0 |
| 37" | | 80.0 |
| 19-1/8" | 38-3/8" | 80.0 |
| 24" | | 80.0 |
| 26-1/2" | | 80.0 |
| 30" | | 80.0 |
| 37" | | 80.0 |
| 19-1/8" | 48" | 80.0 |
| 24" | | 80.0 |
| 26-1/2" | | 80.0 |
| 30" | | 80.0 |
| 37" | | 80.0 |
| 19-1/8" | 50-5/8" | 80.0 |
| 24" | | 80.0 |
| 26-1/2" | | 80.0 |
| 30" | | 80.0 |
| 37" | | 80.0 |
| 19-1/8" | 60" | 80.0 |
| 24" | | 80.0 |
| 26-1/2" | | 80.0 |
| 30" | | 80.0 |
| 37" | | 80.0 |
| 19-1/8" | 63" | 80.0 |
| 24" | | 80.0 |
| 26-1/2" | | 80.0 |
| 30" | | 80.0 |
| 37" | | 80.0 |
| 19-1/8" | 66" | 80.0 |
| 24" | | 80.0 |
| 26-1/2" | | 80.0 |
| 30" | | 80.0 |
| 37" | | 80.0 |
| 19-1/8" | 72" | 80.0 |
| 24" | | 80.0 |
| 26-1/2" | | 80.0 |
| 30" | | 77.2 |
| 37" | | 80.0 |
| 19-1/8" | 74-1/4" | 80.0 |
| 24" | | 80.0 |
| 26-1/2" | | 80.0 |
| 30" | | 80.0 |
| 37" | | 74.8 |

| WDW. HEIGHT UPTO | NO. OF KEEPERS AT SASH | NO. OF HINGES AT SASH |
|------------------|------------------------|-----------------------|
| 42" | 2 | 2 |
| 74-1/4" | 3 | 3 |

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

JUN 04 2004



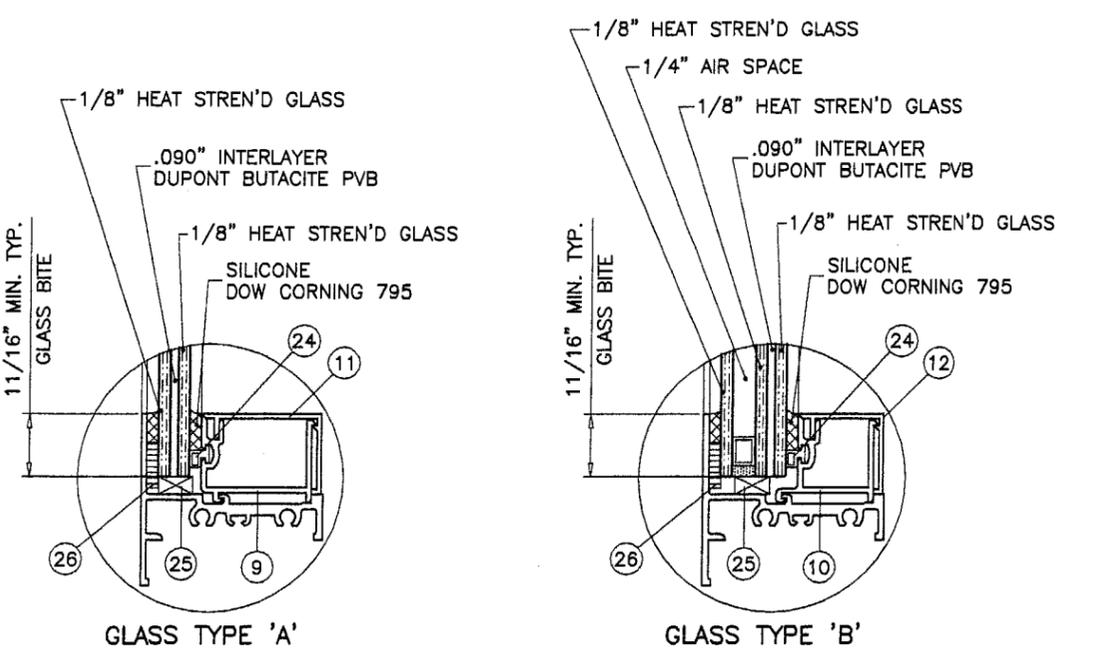
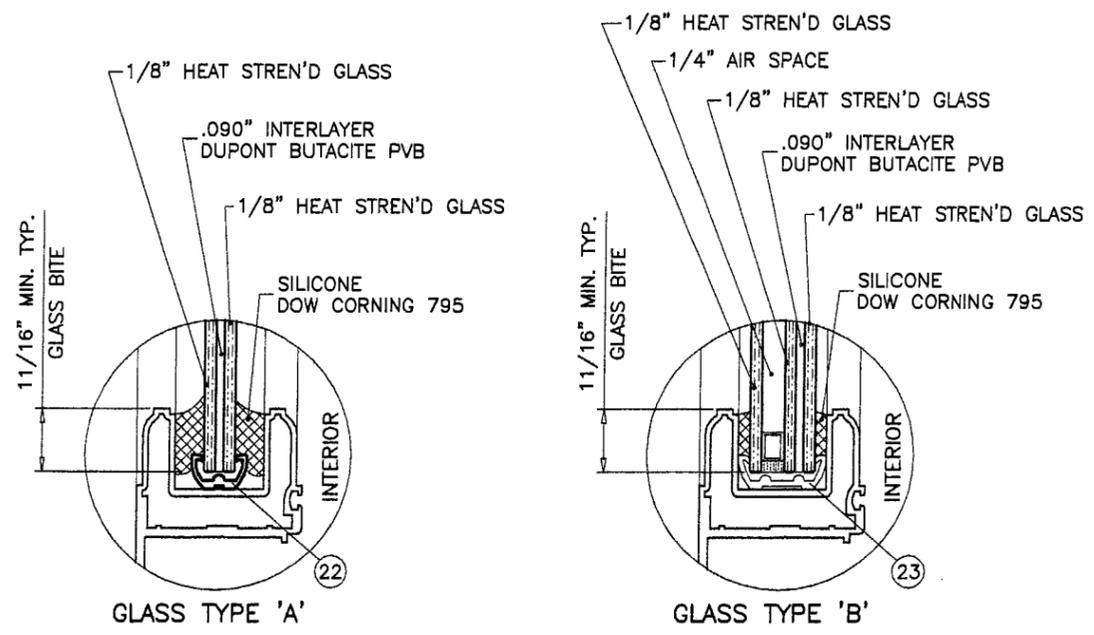
AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANI-W04-16RC

CM100 ALUMINUM CASEMENT WINDOW (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: 03-01-04
 scale: 1/2" = 1'-0"
 dr. by: HAMID
 chk. by: *Juy*

drawing no. **W04-16**
 sheet 2 of 7



GLAZING OPTIONS

| ITEM NO. | PART NUMBER | QUANTITY | DESCRIPTION | MATERIAL | MANF./SUPLIER/REMARKS |
|----------|-------------|-----------|---|-----------|----------------------------------|
| 1 | CM100-001 | 2/ WDW | FRAME JAMB | 6063-T6 | - |
| 2 | CM100-002 | 2/ WDW | FRAME HEAD AND SILL | 6063-T6 | - |
| 3 | CM100-007 | AS REQD. | FRAME JAMB (FIX.) | 6063-T6 | FOR FIXED WINDOW |
| 4 | CM100-008 | AS REQD. | HORIZ. IMPOST | 6063-T6 | FOR FIXED WINDOW |
| 5 | CM100-012 | AS REQD. | JAMB ANCHOR CLIP | 6063-T6 | - |
| 6 | CM100-013 | AS REQD. | VENT HINGE | 6005-T5 | INSTALLED WITH (3) #10 X 3/8" MS |
| 7 | CM100-014 | AS REQD. | FRAME HINGE | 6005-T5 | INSTALLED WITH (2) #10 X 3/8" MS |
| 8 | CM100-015 | AS REQD. | FRAME HEAD/SILL (FIX.) | 6063-T6 | FOR FIXED WINDOW |
| 9 | CM100-016 | 4/ WDW | GLAZING BEAD (LAM. GLASS) | 6063-T6 | FOR FIXED WINDOW |
| 10 | CM100-017 | 4/ WDW | GLAZING BEAD (LAM. INS. GLASS) | 6063-T6 | FOR FIXED WINDOW |
| 11 | CM100-018 | 4/ WDW | SNAP COVER (LAM. GLASS) | 6063-T6 | FOR FIXED WINDOW |
| 12 | CM100-019 | 4/ WDW | SNAP COVER (LAM. INSUL. GLASS) | 6063-T6 | FOR FIXED WINDOW |
| 13 | CM100-020 | AS REQD. | VERTICAL IMPOST | 6063-T6 | - |
| 14 | CM100-021 | 2/ IMPOST | ANCHOR CLIP FOR VERTICAL IMPOST | 6063-T6 | - |
| 15 | CM100-022 | - | ANCHOR ARM OPERATOR | 6063-T6 | - |
| 16 | - | AS REQD. | SCREENS | ALUMINUM | OPTIONAL |
| 17 | - | - | - | - | - |
| 18 | - | - | - | - | - |
| 19 | CM100-026 | 4 | VENT FRAME | 6063-T6 | - |
| 20 | CM100-027 | 1/ CORNER | CORNER LOCK | 6063-T6 | - |
| 21 | V-033 | AS REQD. | TREMCO TR-5804N SPONGE | NEOPRENE | - |
| 22 | V-054 | AS REQD. | VINYL FOR LAM. GLASS - VENT | PVC | - |
| 23 | V-055 | AS REQD. | VINYL FOR LAM. INSUL. GLASS - VENT | PVC | - |
| 24 | V-059 | AS REQD. | VINYL FOR LAM. & LAM. INSUL. GLASS (FIX.) | PVC | - |
| 25 | - | AS REQD. | 3/16" X 3/8" X 4" LG. SETTING BLOCK | - | - |
| 26 | - | AS REQD. | 1/8" X 1/2" SINGLE FACE TAPE | - | - |
| 27 | P-025 | - | PLASTIC CAM M & M | NYLON | - |
| 28 | - | - | - | - | - |
| 29 | - | - | - | - | - |
| 30 | CD25 & CD35 | - | SINGLE ARM OPERATOR | ST. STEEL | ROTO HARDWARE SYSTEMS |
| 31 | - | - | - | - | - |
| 32 | LB05-6645 | - | 3 POINT LOCK ASSEMBLY | - | ROTO HARDWARE SYSTEMS |
| 33 | GT553 | - | GUIDE HOUSING | - | ATTACHED W/ (3) #8 X 3/4" SMS |
| 34 | GS001 | - | STRIKER | - | ATTACHED W/ (3) #8 X 1/2" SMS |
| 35 | #10 X 1" | 2/ CORNER | FRAME ASSEMBLY SCREW | ST. STEEL | PH PHL SMS |
| 36 | #10 X 1/2" | 2/ CORNER | VENT ASSEMBLY SCREWS | ST. STEEL | FH PHL SMS |
| 37 | #10 X 3/4" | 4/ CORNER | IMPOST ASSEMBLY SCREWS | ST. STEEL | PH PHL SMS |
| 38 | #10 X 3/4" | 2/ SIDE | IMPOST ASSEMBLY SCREWS | ST. STEEL | FH PHL SMS |

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 Date 07/29/04
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 Miami Dade Product Control Division
 By *[Signature]*

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 JUN 04 2004

AL-FAROOQ CORPORATION
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 2805 N.W. 75 TH AVE.
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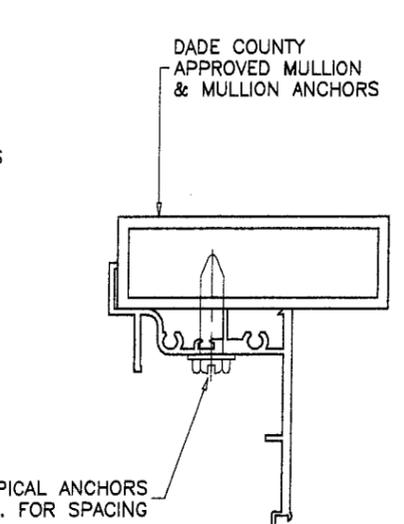
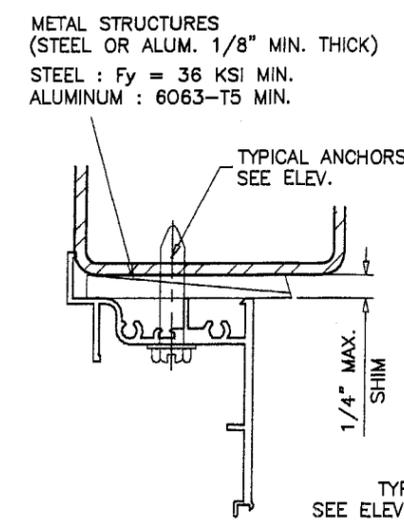
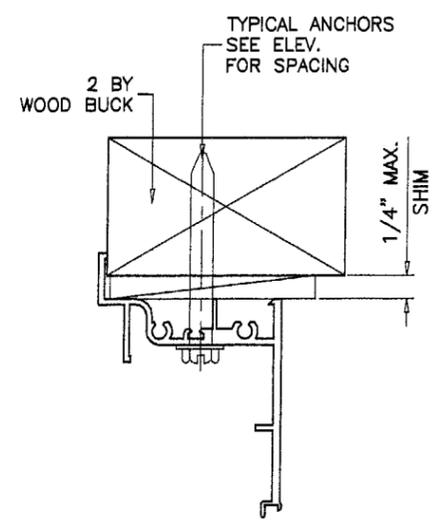
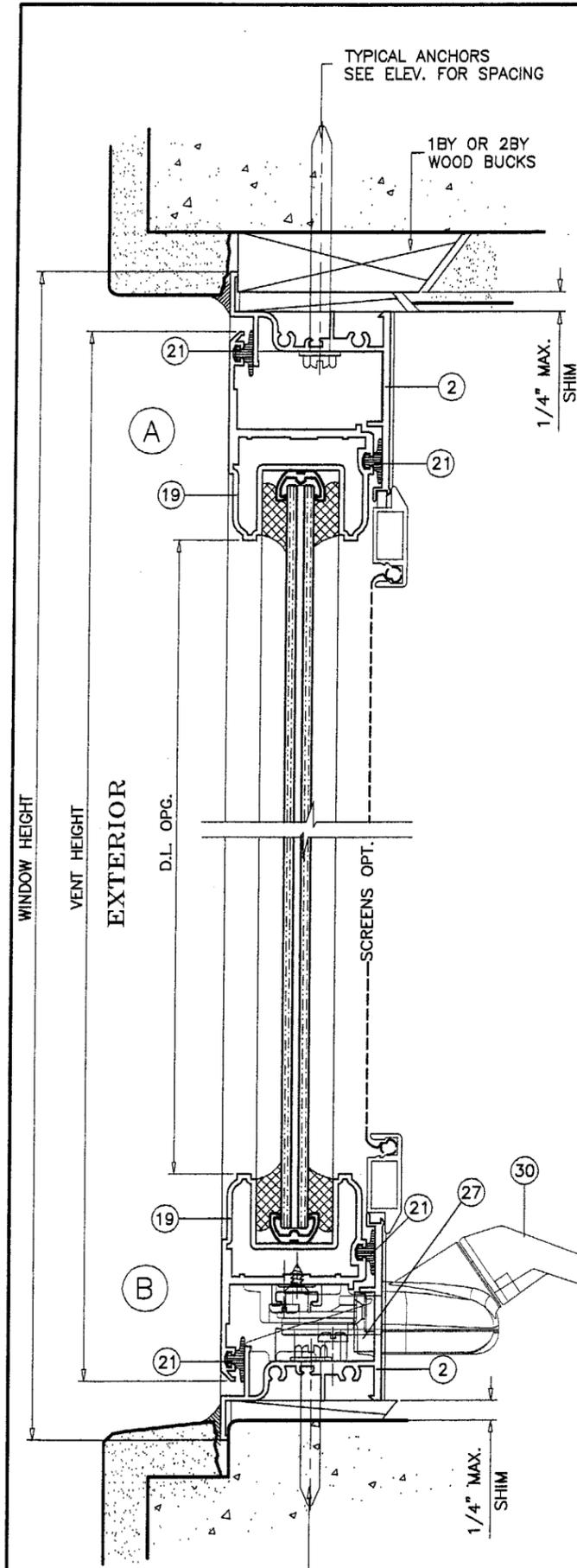
CM100 ALUMINUM CASEMENT WINDOW (L.M.I.)

revisions:
 no. date by description

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 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W04-16

sheet 3 of 7



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

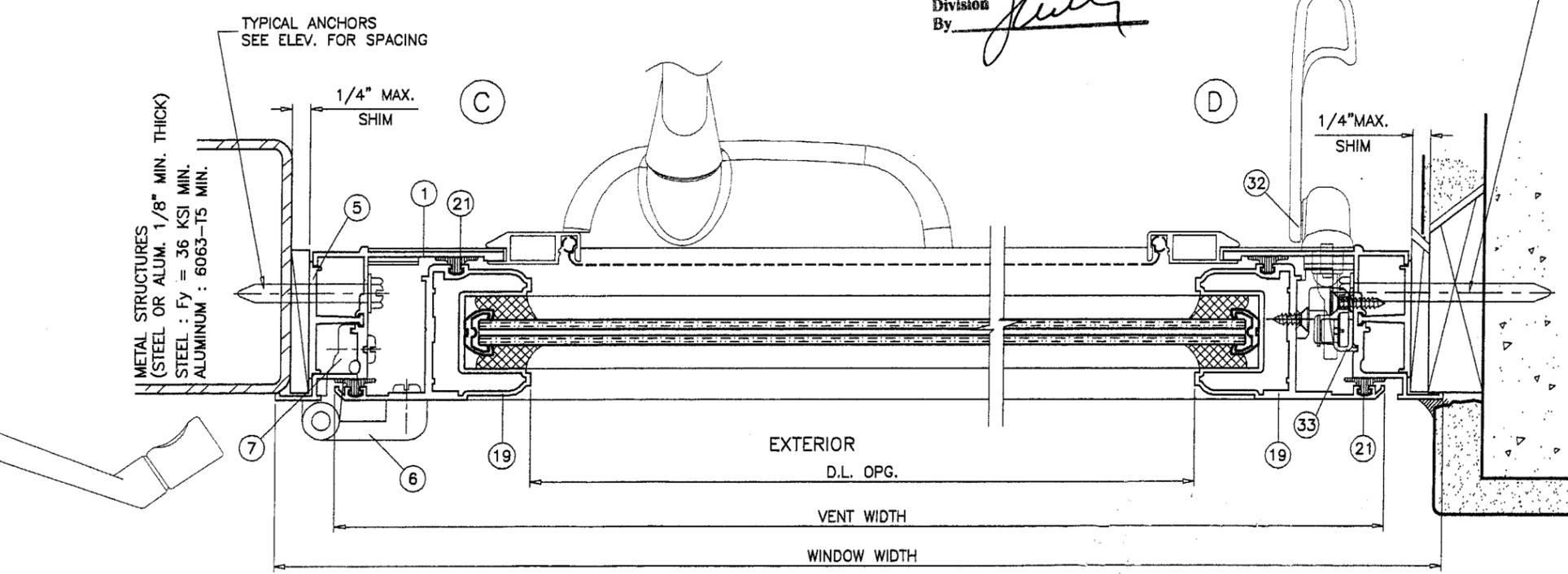
1/4" HILTI KWIK-CON II
 DIRECTLY INTO MASONRY
 WITH 1-1/4" MIN. EMBED INTO MASONRY

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
 JOINT SEALANT.

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SINGLE VENT WINDOWS

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

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 12557
 C.A.N. 3538

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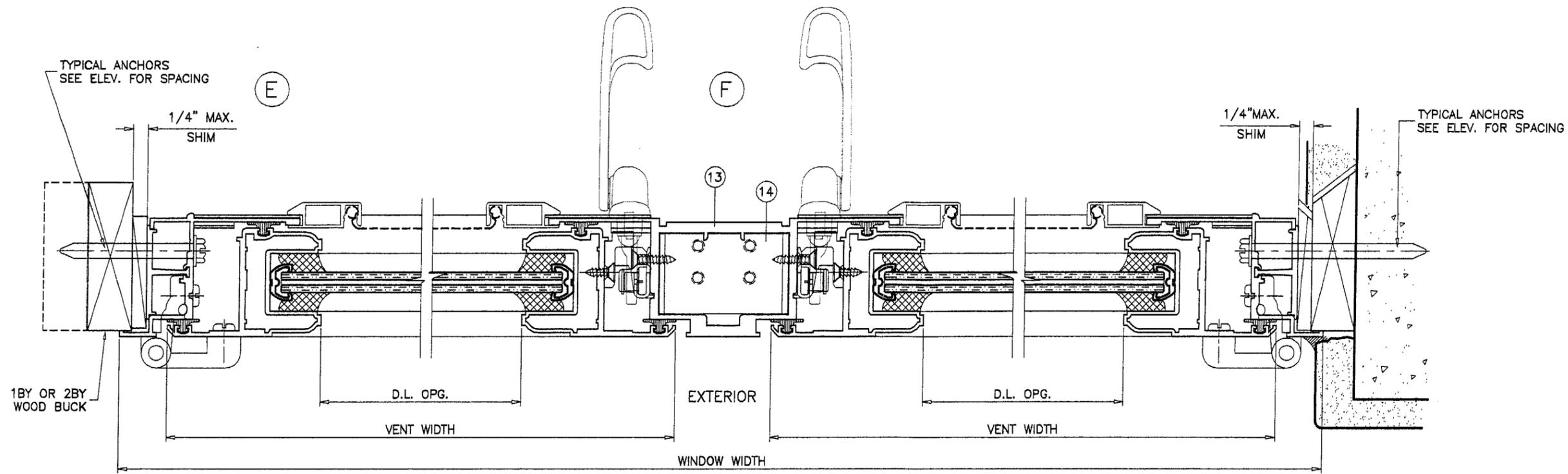
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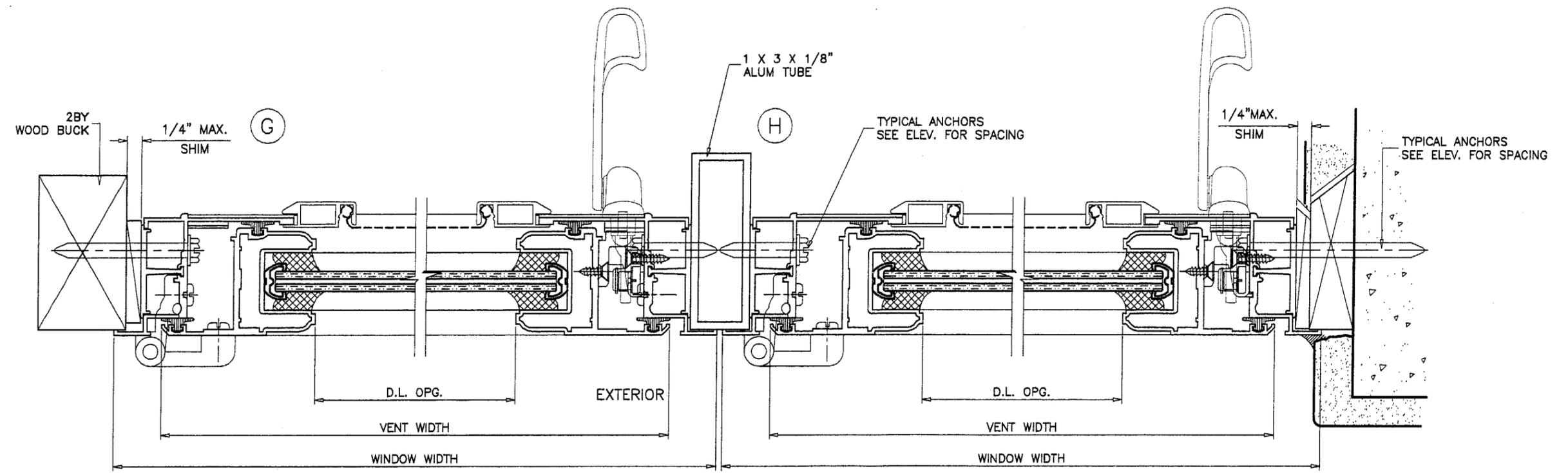
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sheet 4 of 7



DUAL VENT WINDOWS



SIDE BY SIDE WINDOWS

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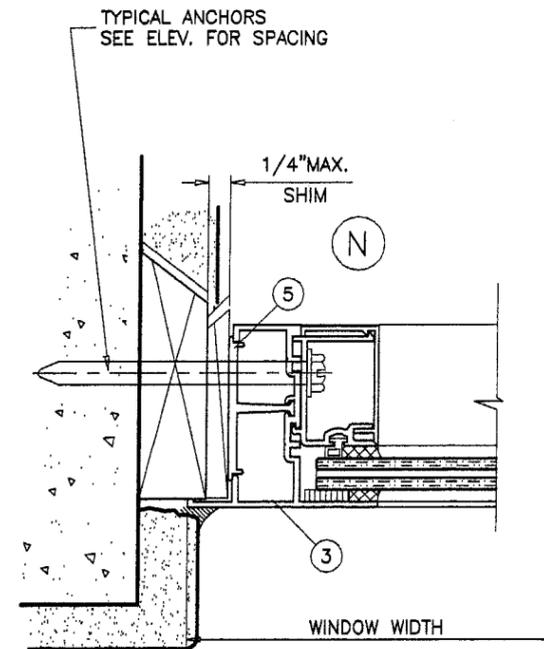
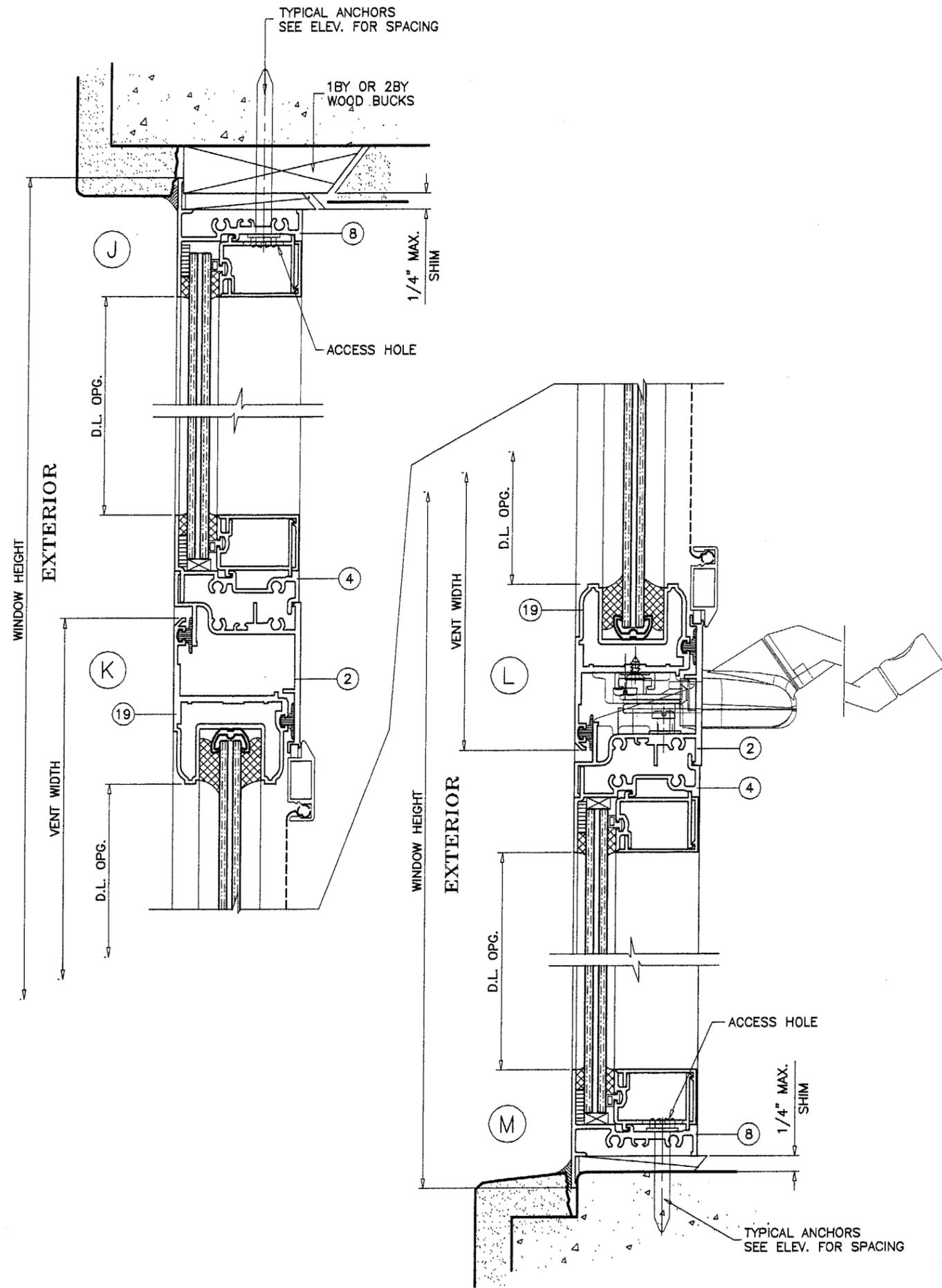
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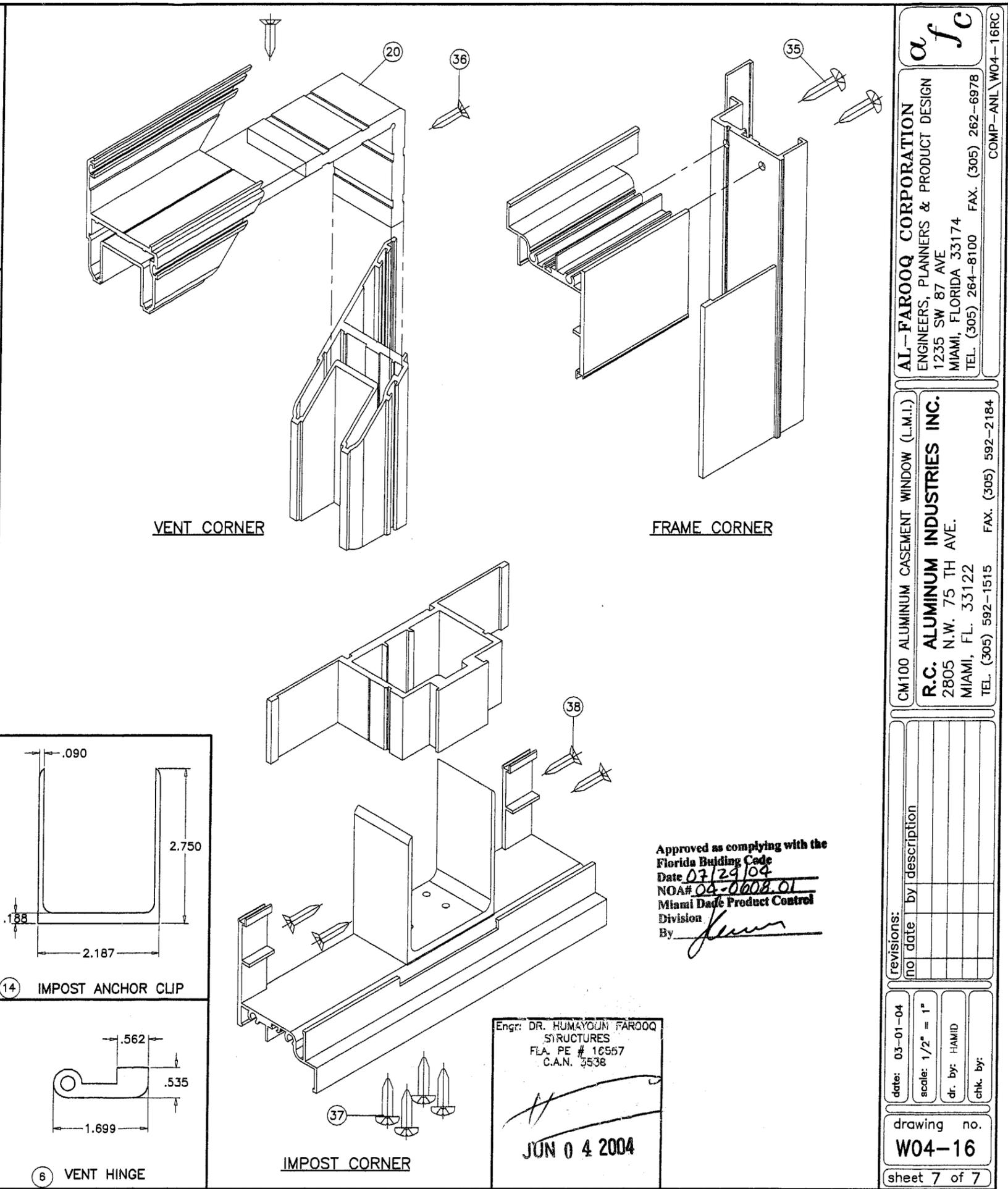
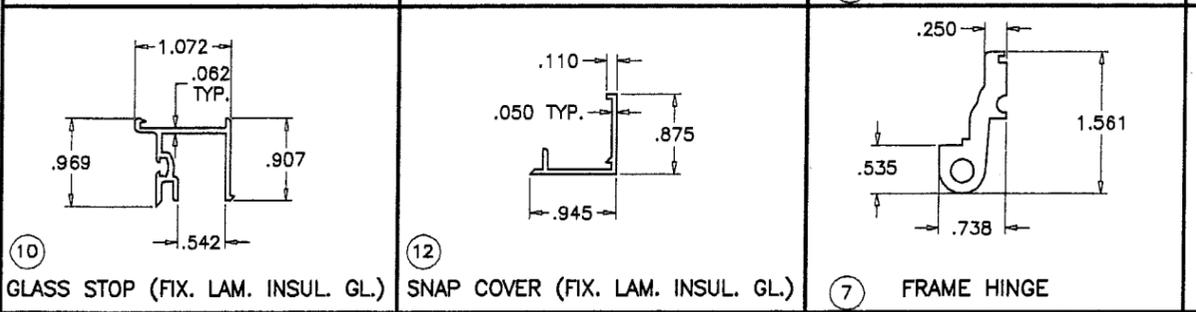
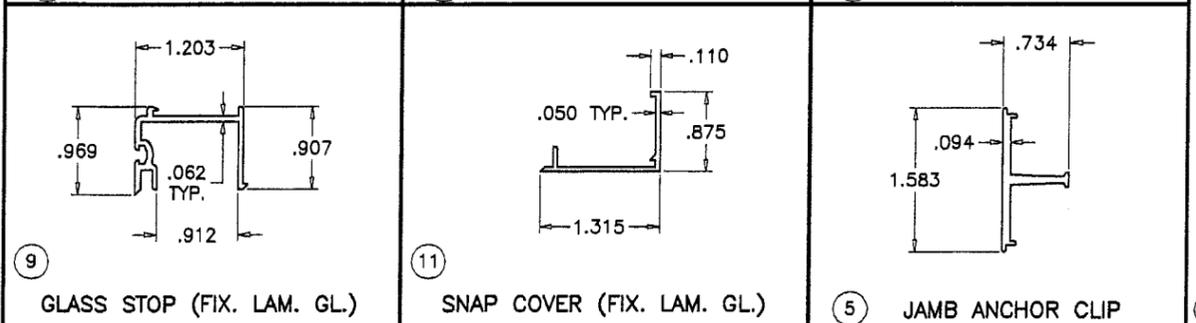
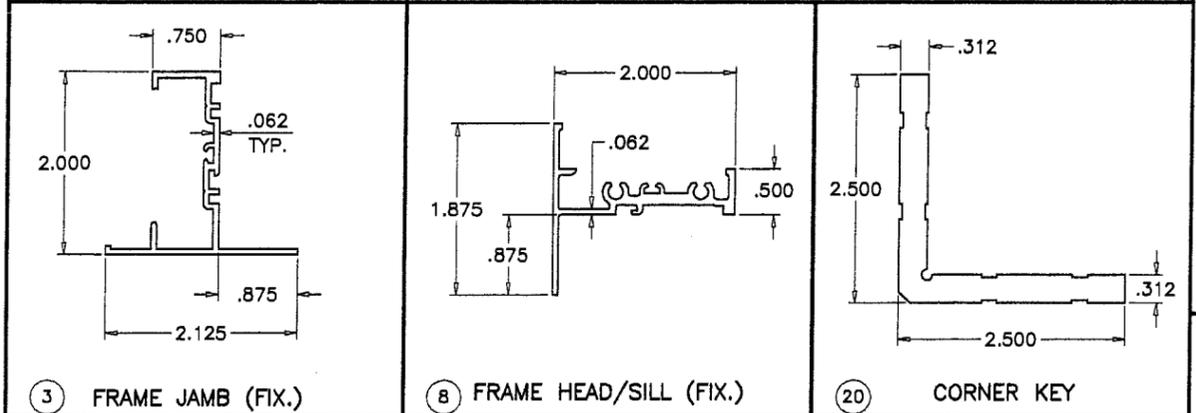
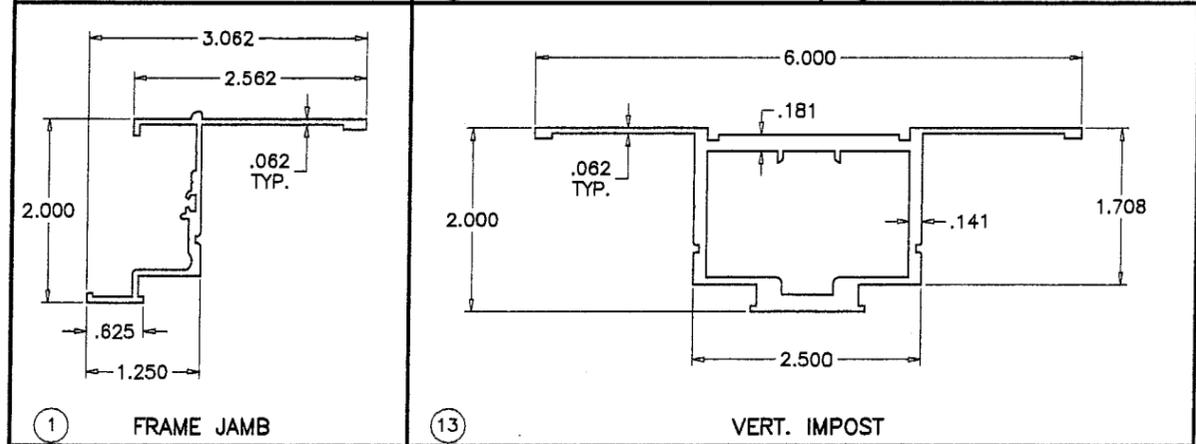
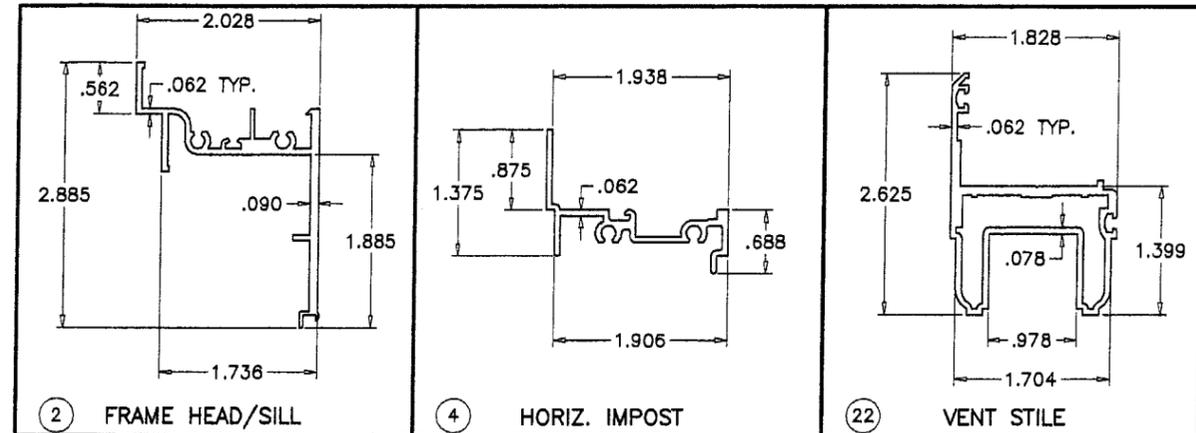
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sheet 7 of 7