



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

OFFICE OF THE SECRETARY

| FL # | FL19976-R5 | | | | | | | | |
|--|--|-----------------|-------------|---------|------|---------|------|---------|------|
| Application Type | Revision | | | | | | | | |
| Code Version | 2023 | | | | | | | | |
| Application Status | Approved | | | | | | | | |
| Comments | | | | | | | | | |
| Archived | <input type="checkbox"/> | | | | | | | | |
| Product Manufacturer | Sol-A-Trol Aluminum Products | | | | | | | | |
| Address/Phone/Email | 4101 NW 132 St Miami, FL 33054 (350) 681-2020 Ext 209 Edith@SOLATROL.COM | | | | | | | | |
| Authorized Signature | Edith Todzey Edith@SOLATROL.COM | | | | | | | | |
| Technical Representative | Edith Todzey | | | | | | | | |
| Address/Phone/Email | 4101 NW 132nd St. Miami, FL 33054 (305) 681-2020 edith@solatrol.com | | | | | | | | |
| Quality Assurance Representative | | | | | | | | | |
| Address/Phone/Email | | | | | | | | | |
| Category | Windows | | | | | | | | |
| Subcategory | Projected | | | | | | | | |
| Compliance Method | Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received | | | | | | | | |
| Florida Engineer or Architect Name who developed the Evaluation Report | Jalal Farooq | | | | | | | | |
| Florida License | PE-81223 | | | | | | | | |
| Quality Assurance Entity | National Accreditation and Management Institute | | | | | | | | |
| Quality Assurance Contract Expiration Date | 12/31/2026 | | | | | | | | |
| Validated By | Yiping Wang, P.E. <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received | | | | | | | | |
| Certificate of Independence | FL19976_R5_COI_SS - Certificate of Independence 2023.pdf | | | | | | | | |
| Referenced Standard and Year (of Standard) | <table border="0"> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>TAS 201</td> <td>1994</td> </tr> <tr> <td>TAS 202</td> <td>1994</td> </tr> <tr> <td>TAS 203</td> <td>1994</td> </tr> </tbody> </table> | Standard | Year | TAS 201 | 1994 | TAS 202 | 1994 | TAS 203 | 1994 |
| Standard | Year | | | | | | | | |
| TAS 201 | 1994 | | | | | | | | |
| TAS 202 | 1994 | | | | | | | | |
| TAS 203 | 1994 | | | | | | | | |
| Equivalence of Product Standards Certified By | | | | | | | | | |
| Sections from the Code | | | | | | | | | |

Product Approval Method

Method 1 Option D

Date Submitted

12/18/2023

Date Validated

12/18/2023

Date Pending FBC Approval

12/31/2023

Date Approved

02/13/2024

Summary of Products

| FL # | Model, Number or Name | Description |
|--|--|--|
| 19976.1 | Series S-3000/3062 Aluminum Projected Window | Large missile impact resistant aluminum projected window |
| Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +100/-100 Other: See drawings W16-11 for span vs load combination and installation details. | | Installation Instructions FL19976_R5_II_SS-S3000-3062_PO(LMI)-DWG W16-11(2023).pdf Verified By: Jalal Farooq PE 81223 Created by Independent Third Party: Yes Evaluation Reports FL19976_R5_AE_SS-S3000-3062_PO-(LMI)-PAE 2023.pdf Created by Independent Third Party: Yes |

[Back](#)

[Next](#)

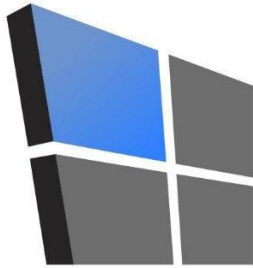
[Contact Us](#) :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

The State of Florida is an AA/EEO employer. [Copyright 2007-2013 State of Florida.](#) :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:





AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

PRODUCT APPROVAL EVALUATION RULE CHAPTER #61G20-3 • METHOD 1 OPTION D

FL 19976

Date: 12/18/2023

Detailed Product Description:

Manufacturer: SOL-A-TROL ALUMINUM PRODUCTS, INC.

Manufacturer Address: 4101 NW 132ND STREET – MIAMI, FL. 33054

Model Name: Series S-3000/3062 Aluminum Projected Window

Maximum Load: +100 PSF, -100 PSF (Large Missile Impact)

Installation Drawings # W16-11

| This product complies with the High Velocity Hurricane Zone (HVHZ) testing requirements. | | | | | |
|---|---------------------------|-----------------------------------|--|---|---|
| For maximum sizes, combination of span vs loads and anchor type refer to installation drawings. | | | | | |
| Comparative analysis used <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | |
| Mandatory Tests (Tested in accordance with AAMA 101/I.S.2/NAFS-02/TAS-202) | | | | | |
| TEST | DESCRIPTION | TEST LOCATION | TEST REPORT DATE | TEST REPORT # | Test Sealed by |
| ASTM E283 | Air Infiltration Leakage | Hurricane Engineering and Testing | 07/25/2008 07/25/2008 02/20/2008 02/20/2008 07/25/2008 11/10/2008 | HETI-08-2089A HETI-08-2153A HETI-07-4388 HETI-07-4389 HETI-08-2081 HEIT-08-2205A | Candido F. Font, P.E. Candido F. Font, P.E. Candido F. Font, P.E. Candido F. Font, P.E. Candido F. Font, P.E. Candido F. Font, P.E. |
| ASTM E331 OR ASTM 547 & TAS 202 | Water Penetration | Hurricane Engineering and Testing | 07/25/2008 07/25/2008 02/20/2008 02/20/2008 07/25/2008 11/10/2008 | HETI-08-2089A HETI-08-2153A HETI-07-4388 HETI-07-4389 HETI-08-2081 HEIT-08-2205A | Candido F. Font, P.E. Candido F. Font, P.E. Candido F. Font, P.E. Candido F. Font, P.E. Candido F. Font, P.E. Candido F. Font, P.E. |
| ASTM E330 & TAS 202 | Uniform Static Air Press. | Hurricane Engineering and Testing | 07/25/2008 07/25/2008 02/20/2008 02/20/2008 07/25/2008 11/10/2008 12/30/2008 | HETI-08-2089A HETI-08-2153A HETI-07-4388 HETI-07-4389 HETI-08-2081 HEIT-08-2205A HETI-08-2234 | Candido F. Font, P.E. Candido F. Font, P.E. Candido F. Font, P.E. Candido F. Font, P.E. Candido F. Font, P.E. Candido F. Font, P.E. Candido F. Font, P.E. |
| ASTM F588 | Forced Entry | Hurricane Engineering and Testing | 07/25/2008 07/25/2008 07/25/2008 11/10/2008 | HETI-08-2089A HETI-08-2153A HETI-08-2081 HEIT-08-2205A | Candido F. Font, P.E. Candido F. Font, P.E. Candido F. Font, P.E. Candido F. Font, P.E. |

Supplemental Tests (Tested in accordance with TAS-201 and TAS-203)

| TEST | DESCRIPTION | TEST LOCATION | TEST REPORT DATE | TEST REPORT # | Test Sealed by |
|-------------------------------|-------------------------------|-----------------------------------|--------------------------|---------------|-----------------------|
| FBC 1626.2 (TAS 201 & 203) | Large Missile Impact & Cyclic | Hurricane Engineering and Testing | 07/25/2008 | HETI-08-2089B | Candido F. Font, P.E. |
| | | | 07/25/2008 | HETI-07-4387 | Candido F. Font, P.E. |
| | | | 07/25/2008 | HETI-08-2153B | Candido F. Font, P.E. |
| | | | 02/20/2008 | HETI-07-4397 | Candido F. Font, P.E. |
| | | | 02/21/2008 | HETI-07-4396 | Candido F. Font, P.E. |
| | | | 07/25/2008 | HETI-08-2085 | Candido F. Font, P.E. |
| | | | 11/10/2008 | HETI-08-2205B | Candido F. Font, P.E. |
| | | | 11/10/2008 | HETI-08-2206 | Candido F. Font, P.E. |
| | | | 11/10/2008 | HETI-08-2207 | Candido F. Font, P.E. |
| | | | 12/30/2008 | HETI-08-2233 | Candito F. Font, P.E. |
| | | | Fenestration Testing Lab | 08/08/2016 | FTL 8920 |

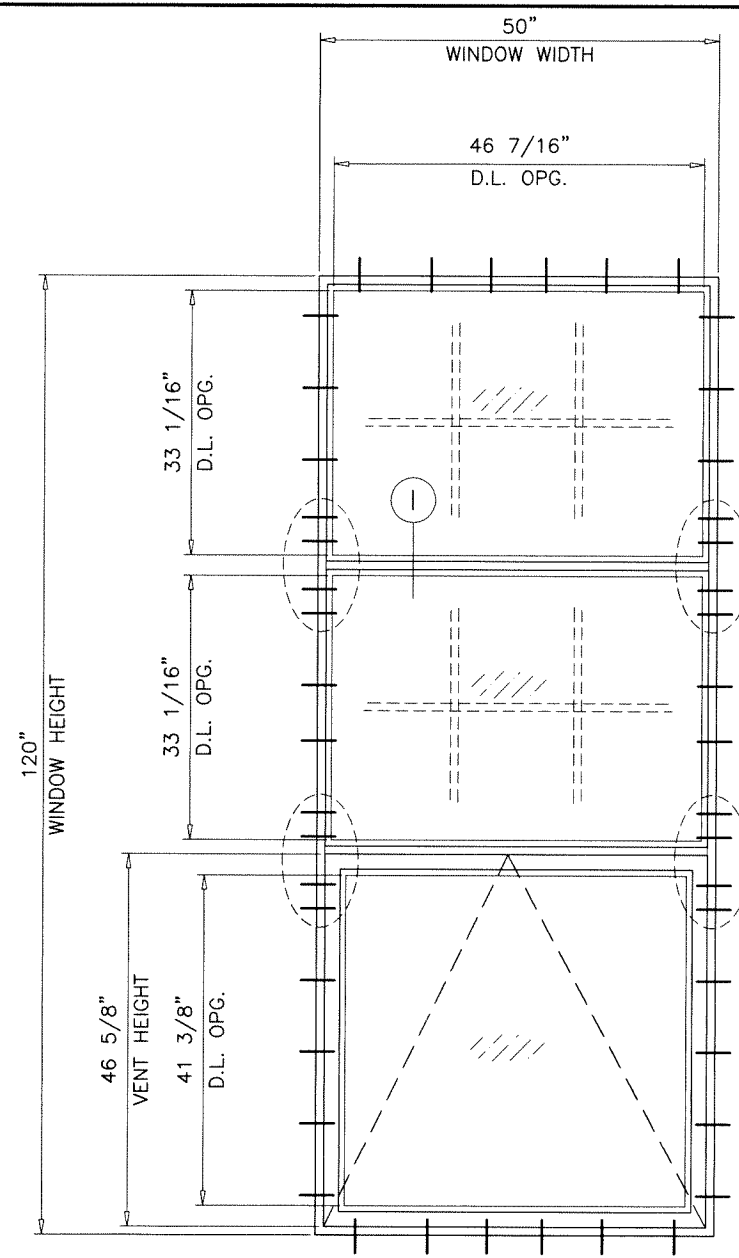
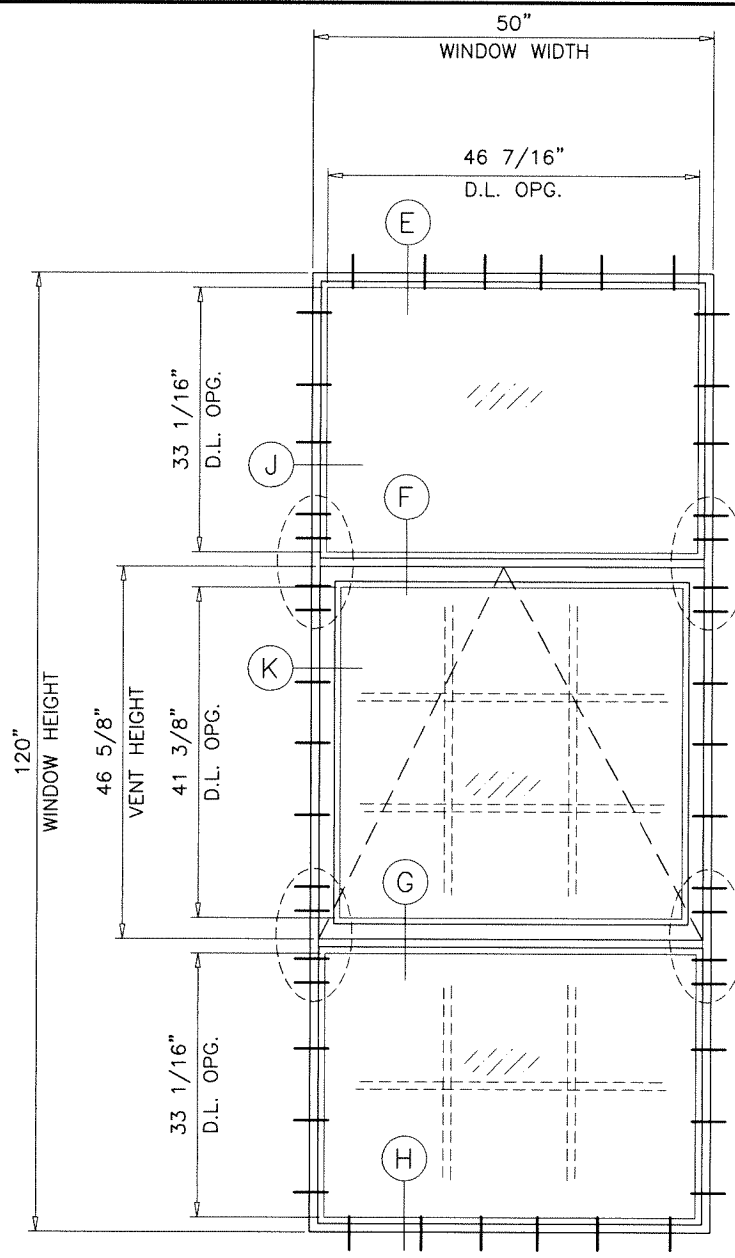
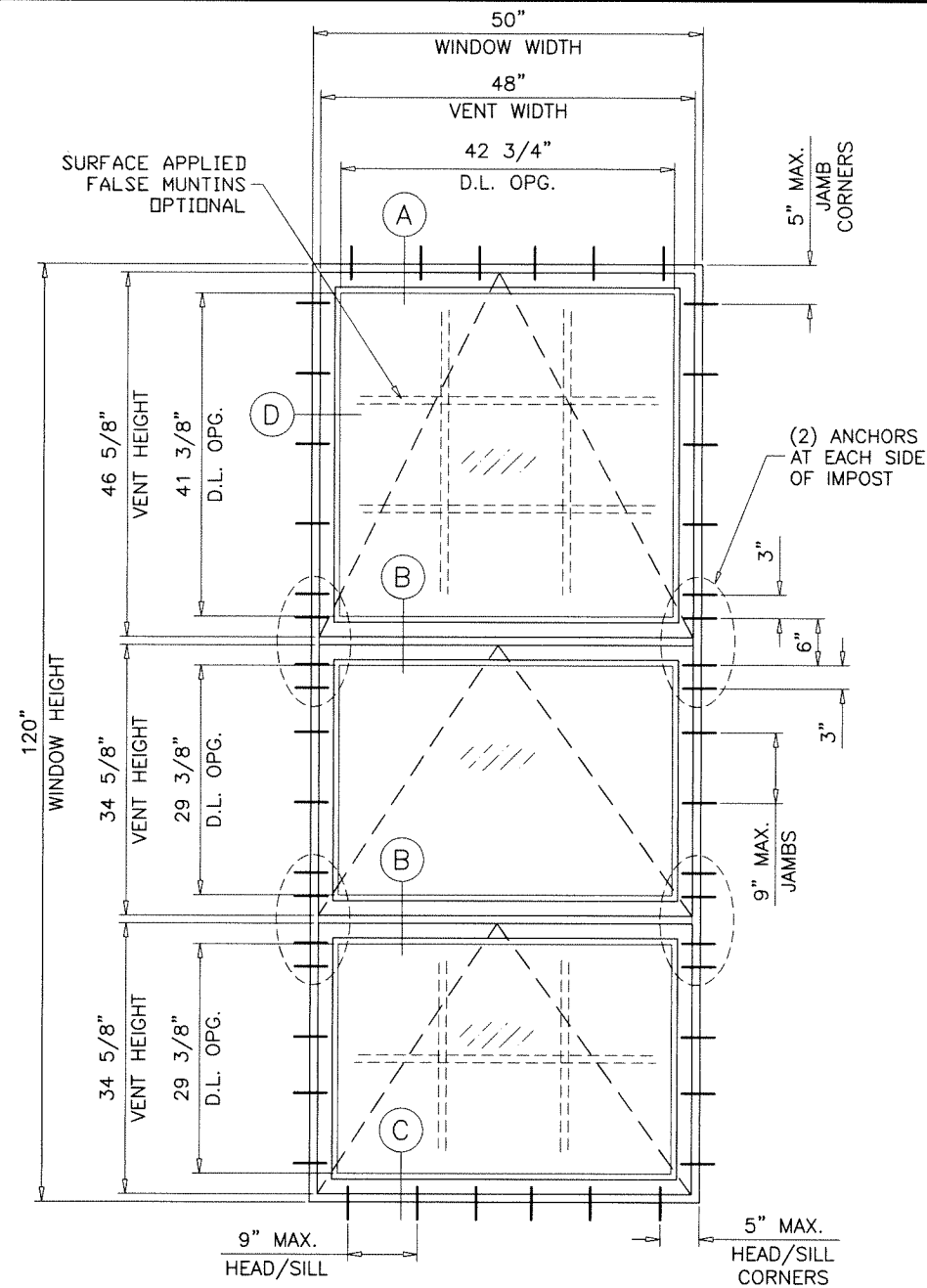
Under the limitations of the attached installation drawings, to the best of my knowledge and ability, the above product conforms to the requirements of the 2023 Florida Building Code.

Evaluation Report Engineer:

Jalal Farooq PE # 81223
Al-Farooq Corporation EB # 3538



Sealed: 12/18/2023



TYPICAL ELEVATIONS

SERIES-3062/3000
ALUMINUM PROJECTED WINDOW

SEE SHEETS 2 THRU 4 FOR DESIGN LOAD RATINGS.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF PROJECTED/PROJECTED OR PROJECTED WDW. WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING F.B.C. 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 2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY. ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, I.E. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

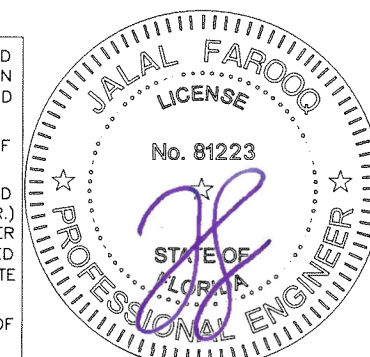
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'. MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

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

Sealed: 12/18/2023

FL #19976

- A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



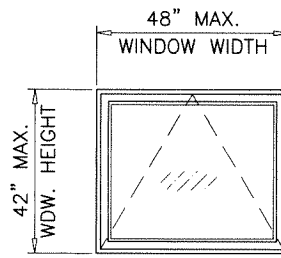
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W16-11SAT

S-3000/3062 ALUM. PROJECTED WDW. (L.M.I.)
SOL-A-TROL ALUMINUM PRODUCTS
4101 N.W. 132ND STREET
MIAMI, FL. 33054
TEL. (305) 681-2020 FAX. (305) 681-2035

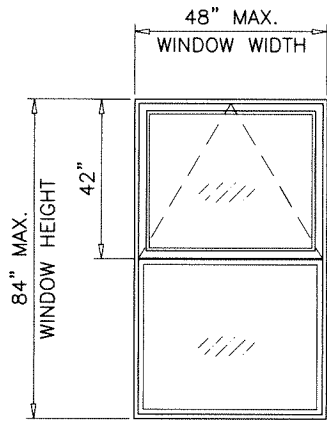
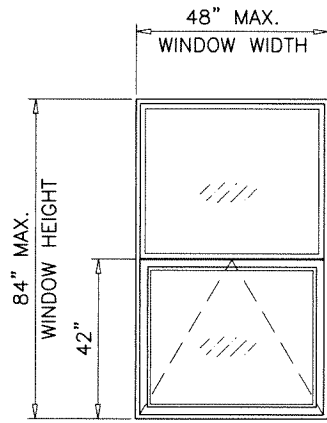
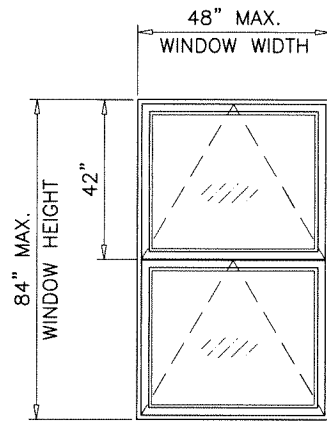
| no | date | by | description |
|----|----------|--------------|---------------------|
| A | 07.08.16 | GLASS TYPE I | ADDED |
| B | 11.28.18 | | UPDATED TO 2017 FBC |
| C | 10.27.23 | | UPDATED TO 2023 FBC |

| | |
|----------|------------|
| date: | 02-15-16 |
| scale: | 1/2"=1'-0" |
| dr. by: | TARIQ |
| chk. by: | |

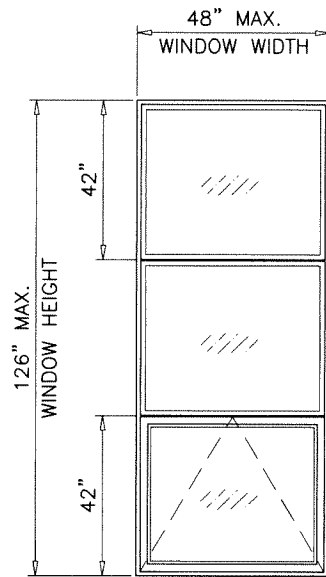
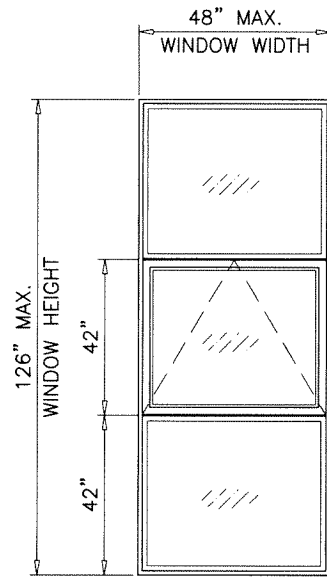
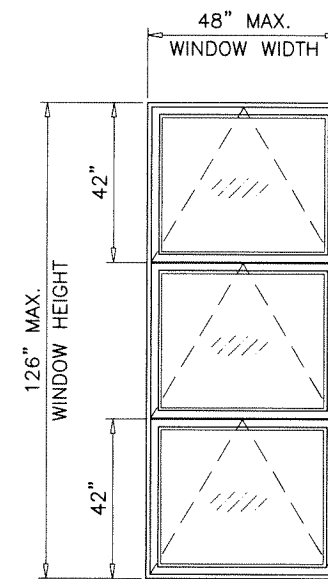
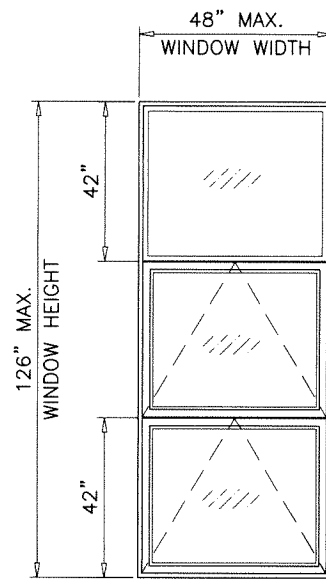
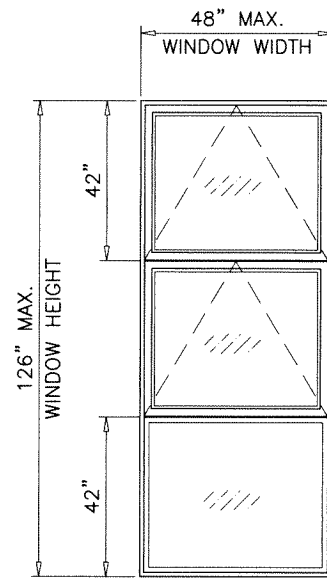
drawing no.
W16-11
sheet 1 of 12



MAX. DESIGN LOAD RATING = + 80.0
 GLASS TYPES - 80.0 PSF
 'A', 'B', 'D', 'F', 'G', 'H' & 'I'



MAX. DESIGN LOAD RATING = + 80.0
 GLASS TYPES - 80.0 PSF
 'A', 'B', 'D', 'F', 'G', 'H' & 'I'

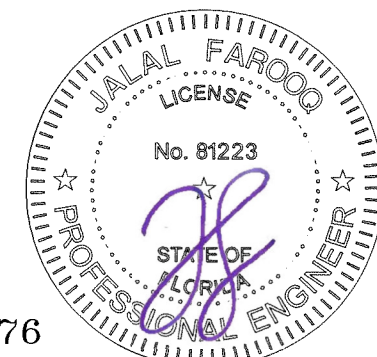


MAX. DESIGN LOAD RATING = + 80.0
 GLASS TYPES - 80.0 PSF
 'A', 'B', 'D', 'F', 'G', 'H' & 'I'

APPROVED CONFIGURATIONS
 SERIES-3062

NOTE:
 GLASS CAPACITIES ON THIS SHEET ARE
 BASED ON ASTM E1300-09 (3 SEC. GUSTS)
 AND FLORIDA BUILDING COMMISSION
 DECLARATORY STATEMENT DCA05-DEC-219

Sealed: 12/18/2023



FL #19976

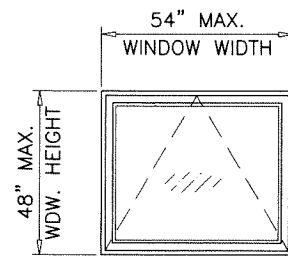
af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W16-11SAT

S-3000/3062 ALUM. PROJECTED WDW. (L.M.I.)
SOL-A-TROL ALUMINUM PRODUCTS
 4101 N.W. 132ND STREET
 MIAMI, FL. 33054
 TEL. (305) 681-2020 FAX. (305) 681-2035

| no | date | description |
|----|------|-------------|
| | | |
| | | |
| | | |

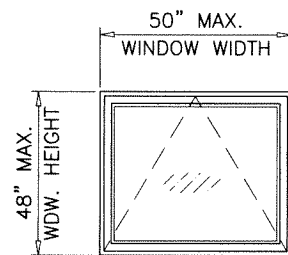
date: 02-15-16
 scale: -
 dr. by: HAMID
 chk. by:

drawing no.
W16-11
 sheet 2 of 12



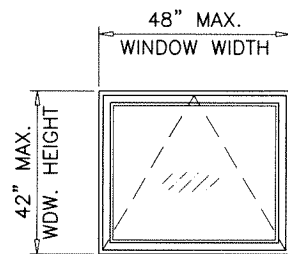
MAX. DESIGN LOAD RATING = + 75.0
GLASS TYPES 'G' & 'H' - 95.0 PSF

MAX. DESIGN LOAD RATING = + 75.0
GLASS TYPES 'I' - 80.0 PSF



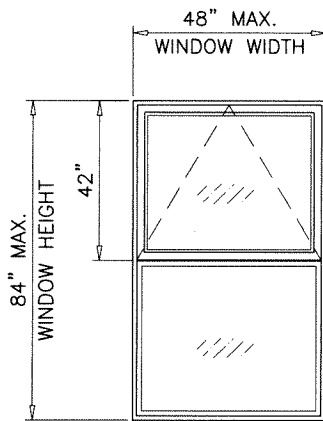
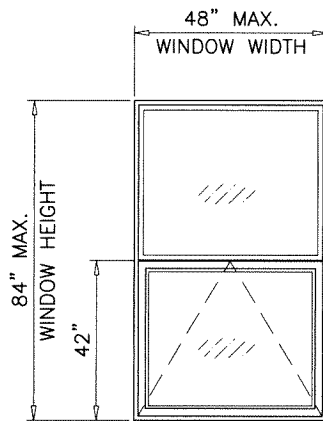
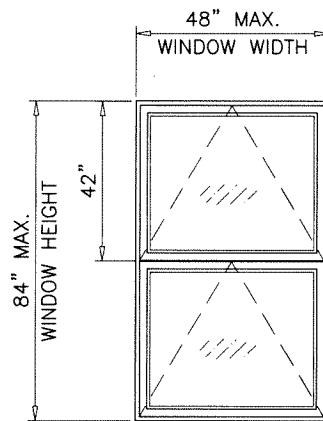
MAX. DESIGN LOAD RATING = + 80.0
GLASS TYPE 'F' - 90.0 PSF

MAX. DESIGN LOAD RATING = + 80.0
GLASS TYPE 'I' - 80.0 PSF



MAX. DESIGN LOAD RATING = + 100.0
GLASS TYPES 'D' & 'F' - 100.0 PSF

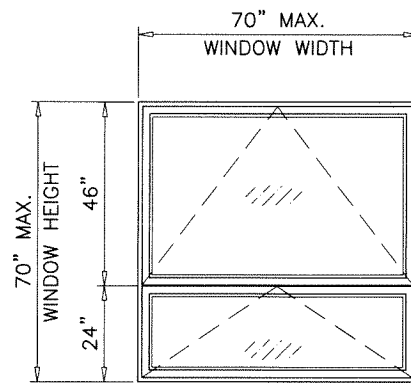
MAX. DESIGN LOAD RATING = + 80.0
GLASS TYPES 'A', 'B' & 'I' - 80.0 PSF



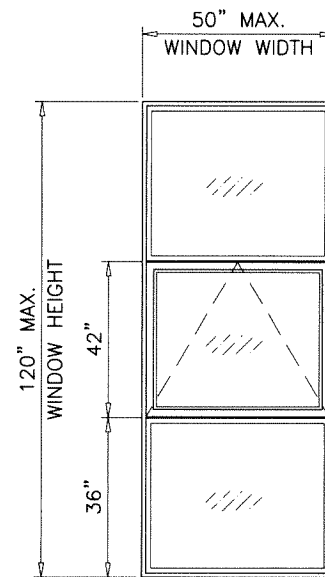
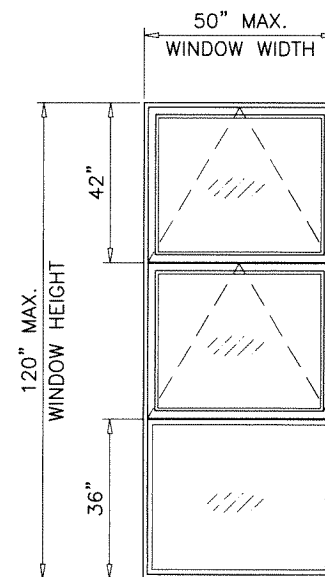
MAX. DESIGN LOAD RATING = + 100.0
GLASS TYPES 'D' & 'F' - 100.0 PSF

MAX. DESIGN LOAD RATING = + 75.0
GLASS TYPES 'G' & 'H' - 95.0 PSF

MAX. DESIGN LOAD RATING = + 80.0
GLASS TYPES 'A', 'B' & 'I' - 80.0 PSF



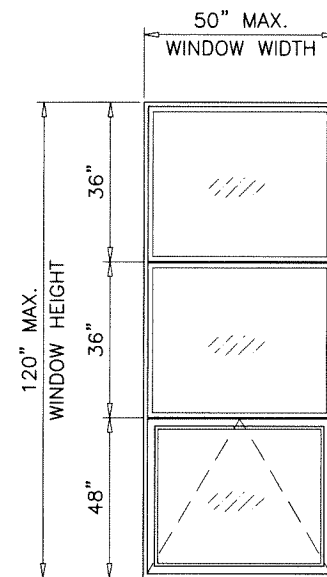
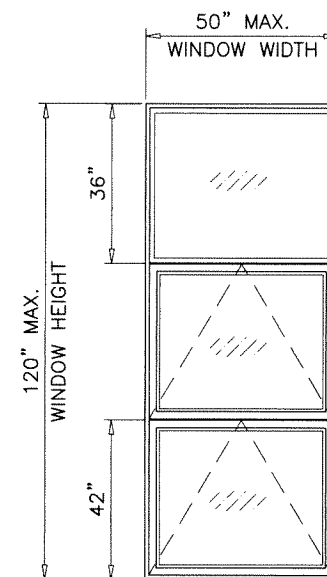
MAX. DESIGN LOAD RATING = + 65.0
GLASS TYPE 'C' - 75.0 PSF



MAX. DESIGN LOAD RATING = + 80.0
GLASS TYPE 'F' - 90.0 PSF

MAX. DESIGN LOAD RATING = + 75.0
GLASS TYPES 'G' & 'H' - 95.0 PSF

MAX. DESIGN LOAD RATING = + 80.0
GLASS TYPES 'I' - 80.0 PSF



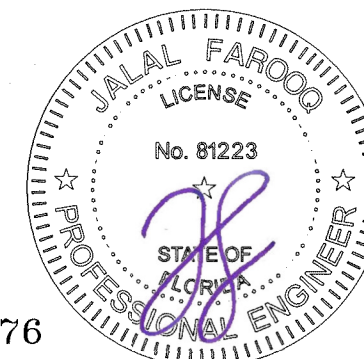
APPROVED CONFIGURATIONS
SERIES-3000

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

NOTE:
FOR STACKED WINDOW WITH EQUAL LITES
USE SMALLEST VENT HEIGHT SHOWN ABOVE.

Sealed: 12/18/2023

FL #19976



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

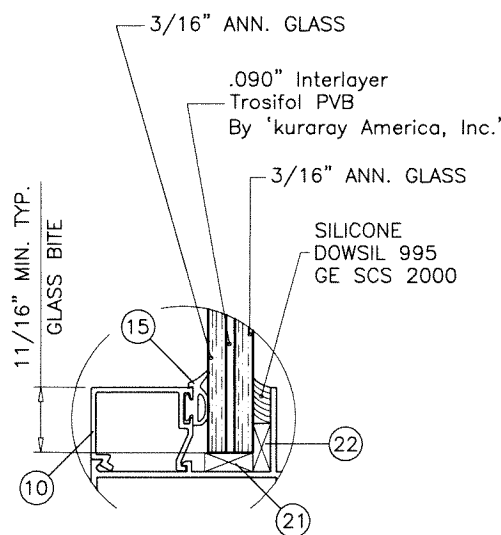
S-3000/3062 ALUM. PROJECTED WDW. (L.M.I.)
SOL-A-TROL ALUMINUM PRODUCTS
4101 N.W. 132ND STREET
MIAMI, FL. 33054
TEL. (305) 681-2020 FAX. (305) 681-2035

| revisions: | no | date | by | description |
|------------|----|------|----|-------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

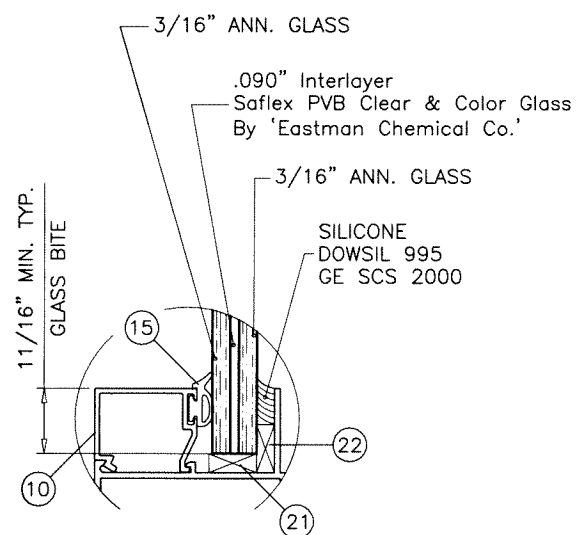
date: 02-15-16
scale: -
dr. by: HAMID
chk. by:

drawing no.
W16-11
sheet 3 of 12

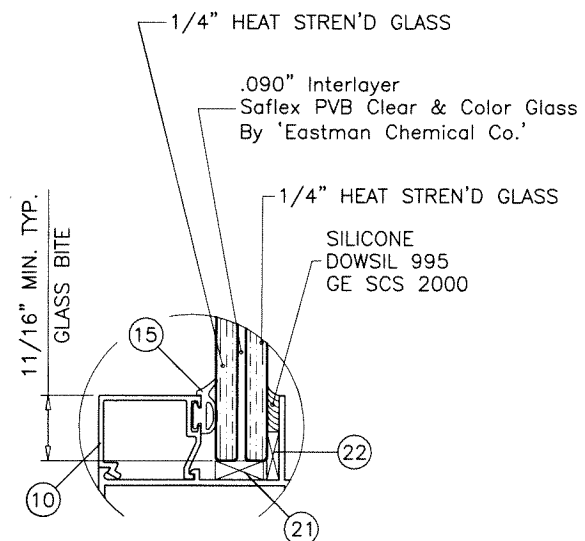
COMP-ANL \W16-11SAT



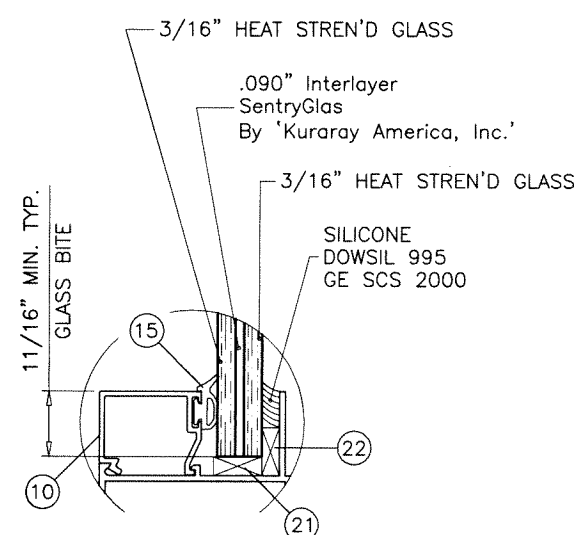
GLASS TYPE 'A'



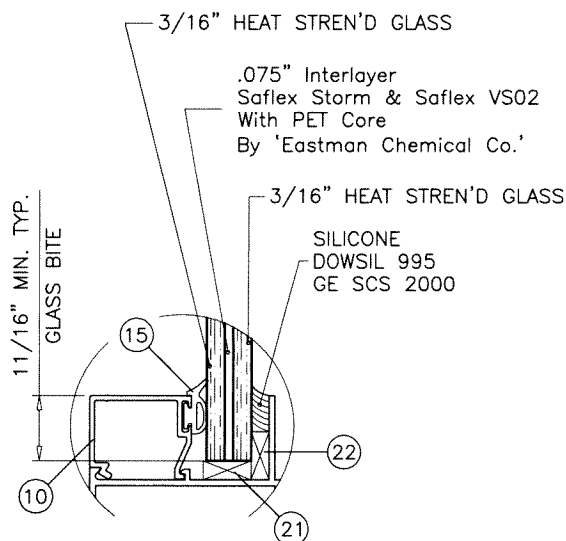
GLASS TYPE 'B'



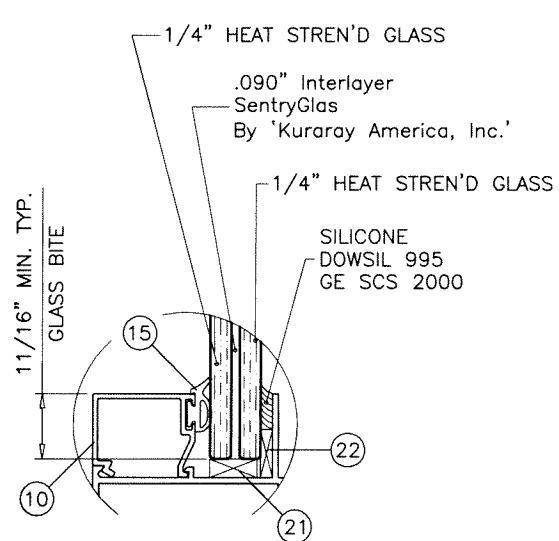
GLASS TYPE 'C'



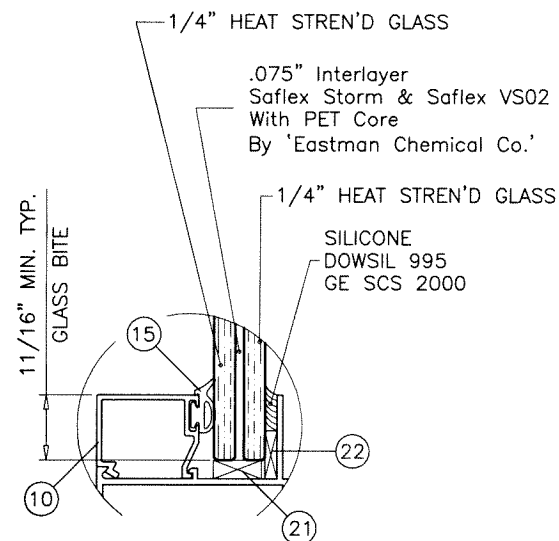
GLASS TYPE 'D'



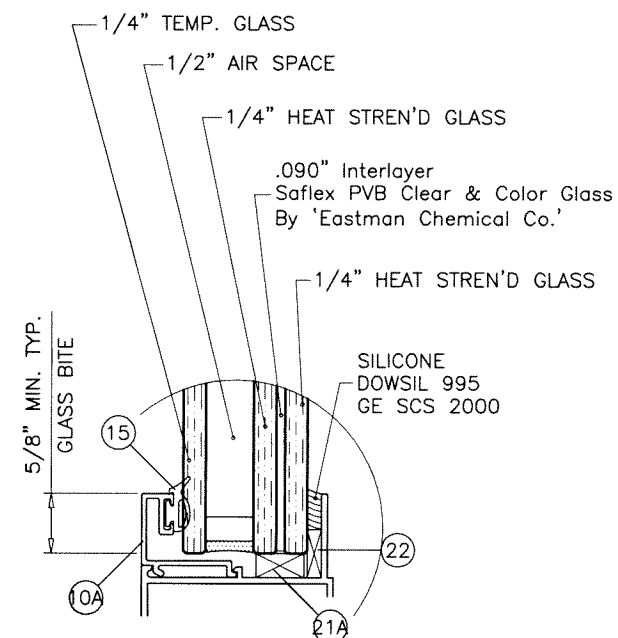
GLASS TYPE 'F'



GLASS TYPE 'G'



GLASS TYPE 'H'

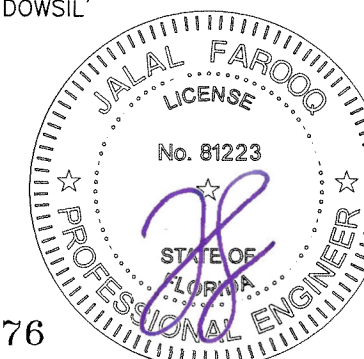


GLASS TYPE 'I'

GLAZING OPTIONS

1/2" AIR SPACE CONSISTING OF:
SPACER:
 GALV. STEEL BOX SPACER BY 'ALLMETAL'
 AROUND THE PERIMETER OF THE GLASS
PRIMARY SEALANT:
 TYPE PB-29 BY 'KOMMERLING/ROYAL'
SECONDARY SEALANT:
 DC-982 BY 'DOWSIL'

Sealed: 12/18/2023



FL #19976

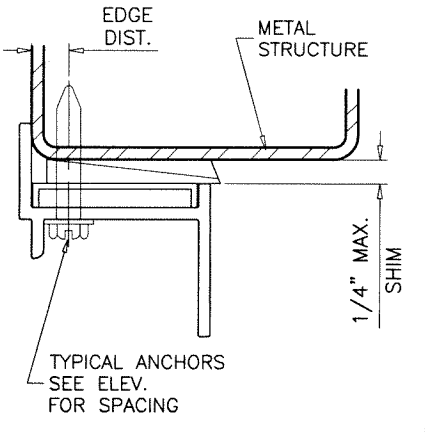
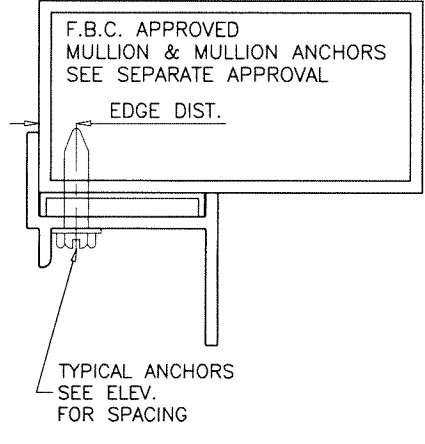
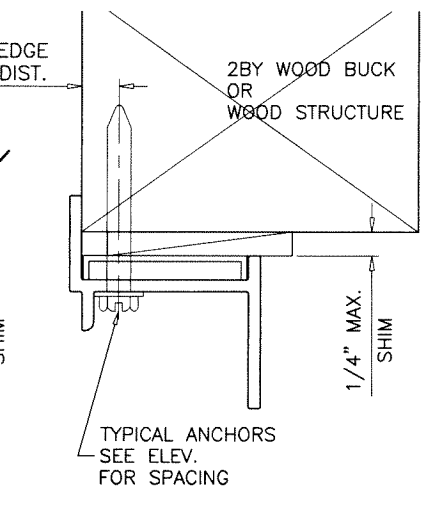
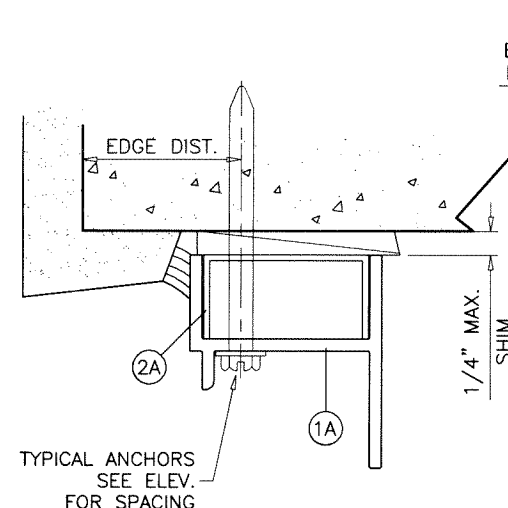
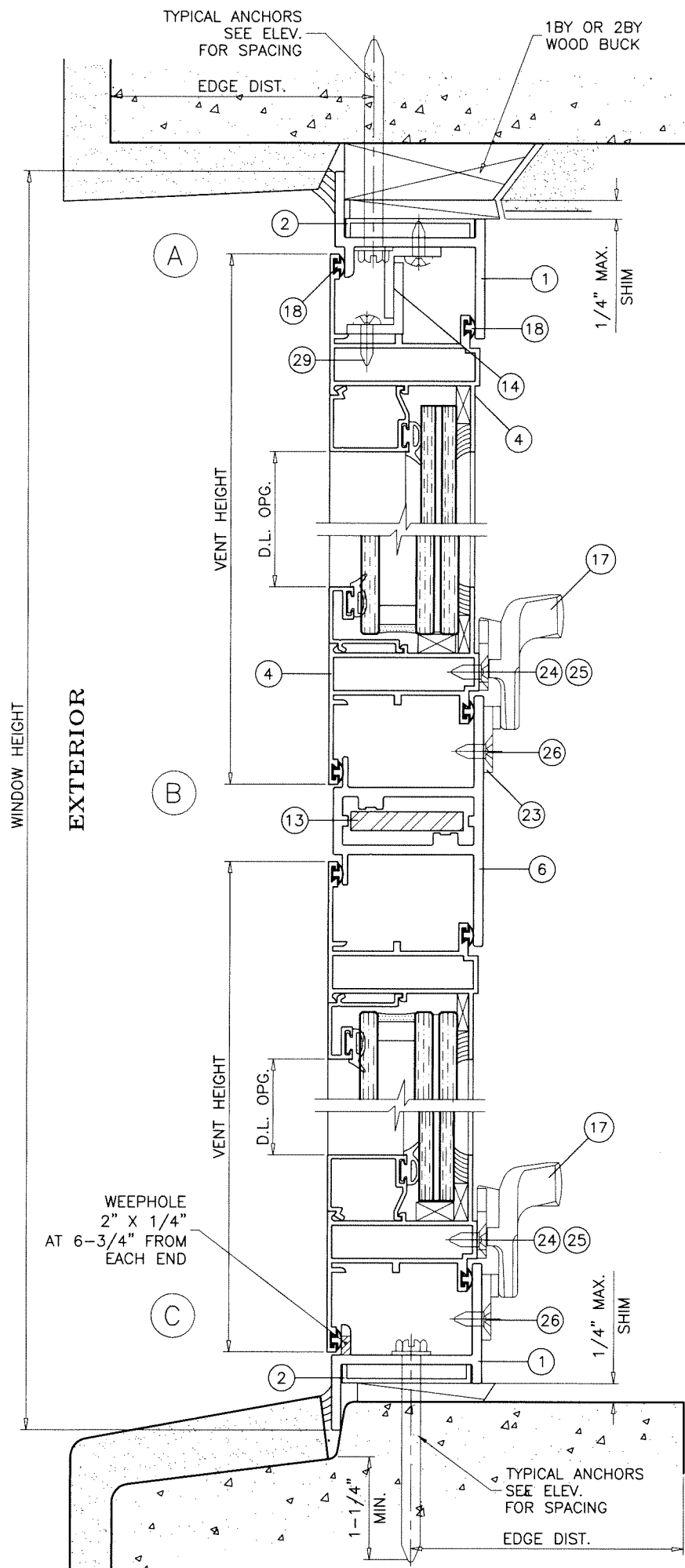
af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL: (305) 264-8100 FAX: (305) 262-6978
 COMP-ANL\W16-11SAT

S-3000/3062 ALUM. PROJECTED WDW. (L.M.I.)
SOL-A-TROL ALUMINUM PRODUCTS
 4101 N.W. 132ND STREET
 MIAMI, FL. 33054
 TEL: (305) 681-2020 FAX: (305) 681-2035

| revisions: | |
|------------|---------------------|
| no | date by description |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

date: 02-15-16
 scale: 1/2" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
W16-11
 sheet 5 of 12



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
 THRU 1BY OR 2BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

#14 SMS OR SELF-DRILLING SCREWS (GRADE 2 CRS)
 INTO F.B.C. APPROVED MULLIONS
 AND
 INTO METAL STRUCTURES (HEAD/SILL/JAMBS)
 (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

CRITICAL EDGE DISTANCE
 INTO CONCRETE AND BLOCKS = 1-1/4" MIN.
 INTO WOOD STRUCTURE = 7/16" MIN.
 INTO METAL STRUCTURE = 7/16" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:
 FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL
 SEALED WITH WHITE/ALUMINUM COLORED SEALANT.

FLANGE AND EQUAL LEG FRAMES CAN BE USED AT ALL ANCHORAGE CONDITIONS.

WOOD BUCKS AND METAL STRUCTURE NOT BY 'SOL-A-TROL' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

Sealed: 12/18/2023

SERIES 3062

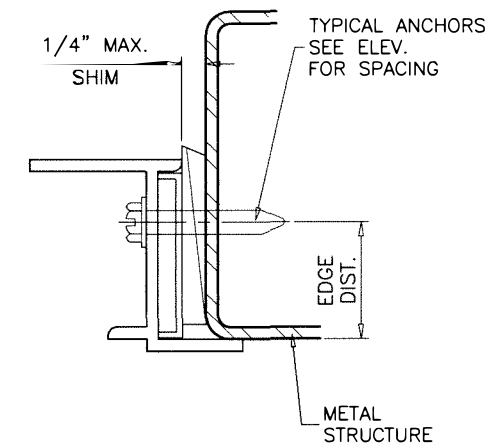
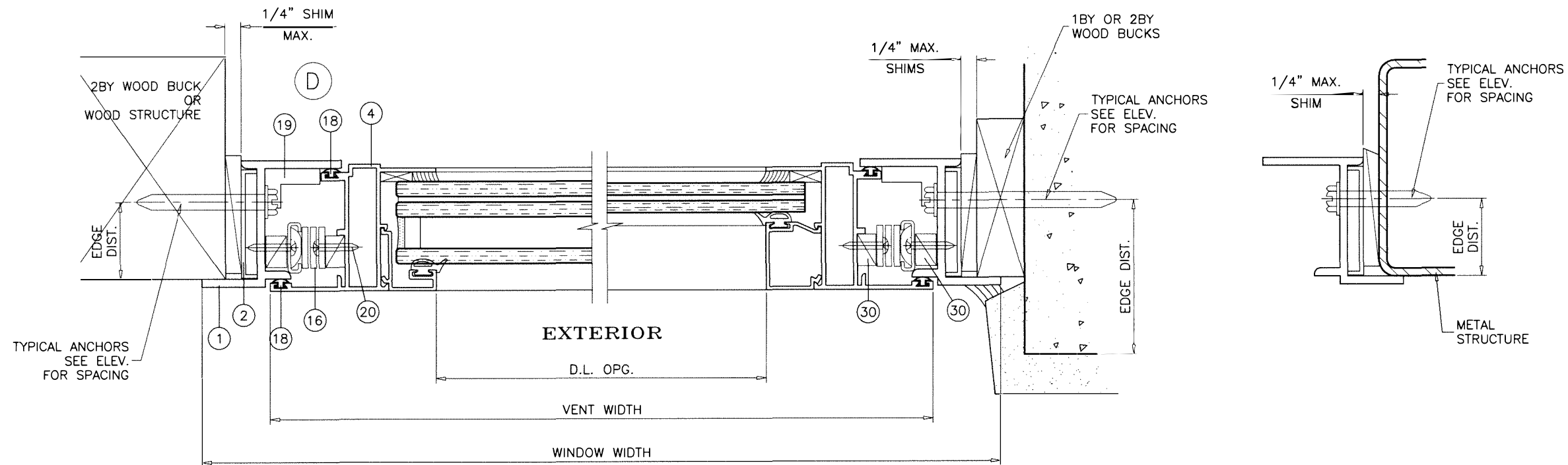
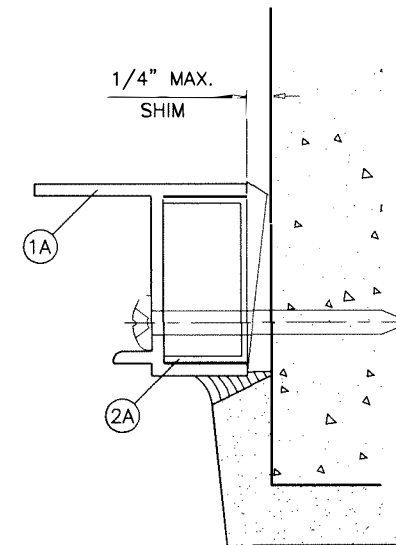
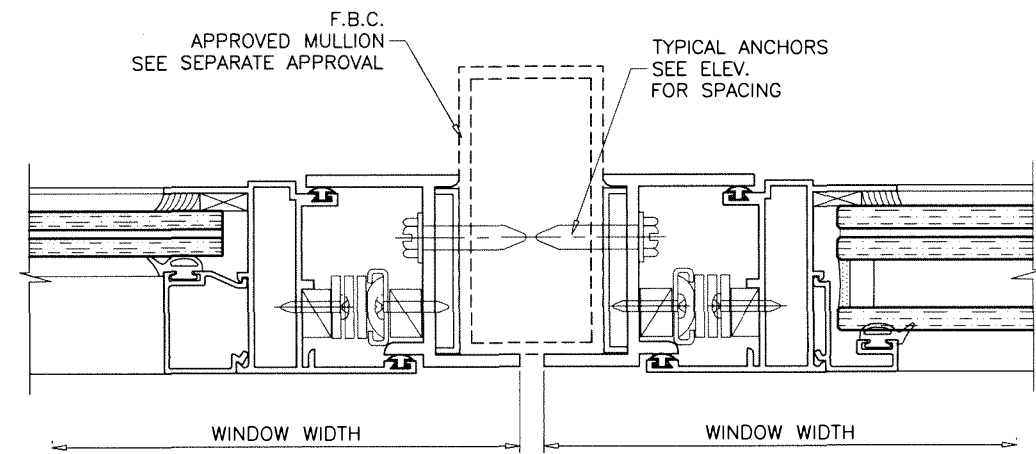


FL #19976

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W16-11SAT

S-3000/3062 ALUM. PROJECTED WDW. (L.M.I.)
SOL-A-TROL ALUMINUM PRODUCTS
 4101 N.W. 132ND STREET
 MIAMI, FL. 33054
 TEL. (305) 681-2020 FAX. (305) 681-2035

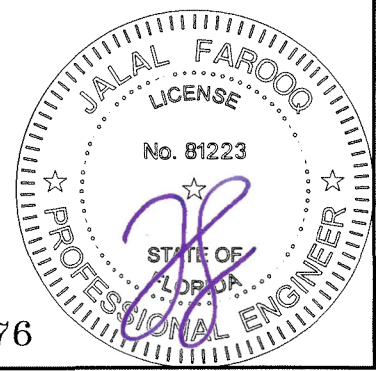
| | | | | |
|-------------|----------|----------|-----------|-------------|
| revisions: | no | date | by | description |
| date: | 02-15-16 | scale: | 1/2" = 1" | |
| dr. by: | HAMID | chk. by: | | |
| drawing no. | W16-11 | | | |
| sheet | 6 of 12 | | | |



SERIES 3062

Sealed: 12/18/2023

FL #19976

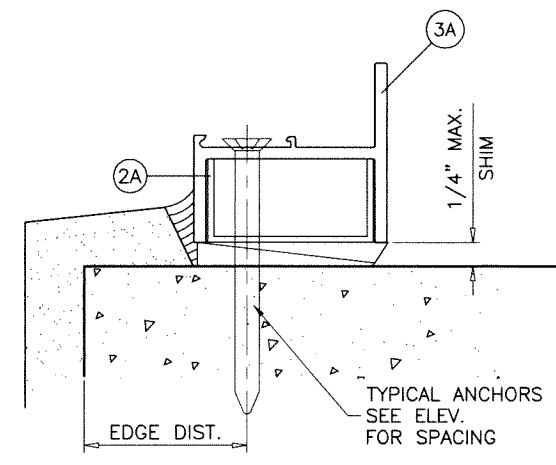
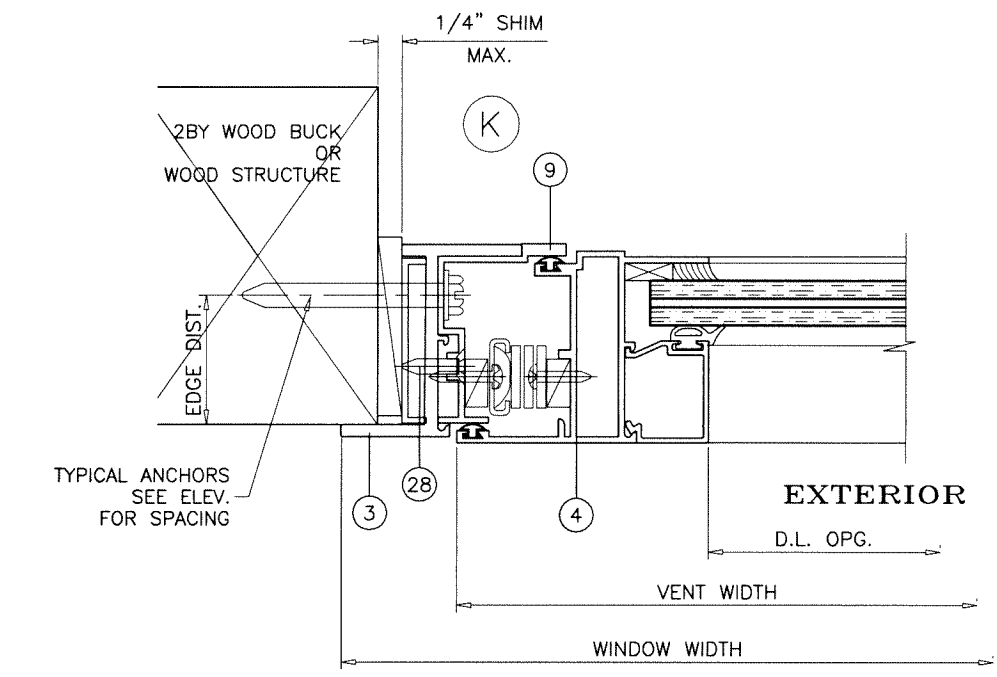
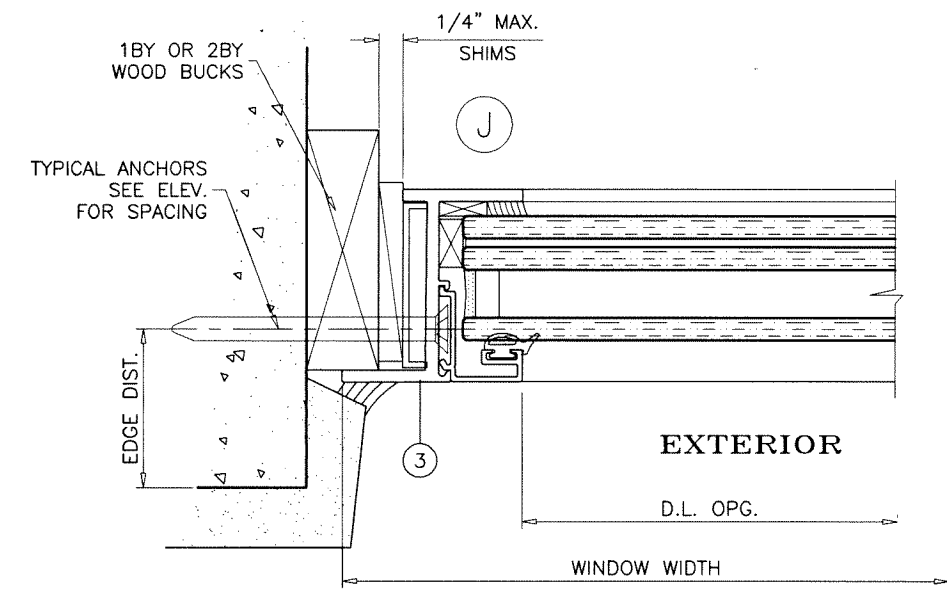
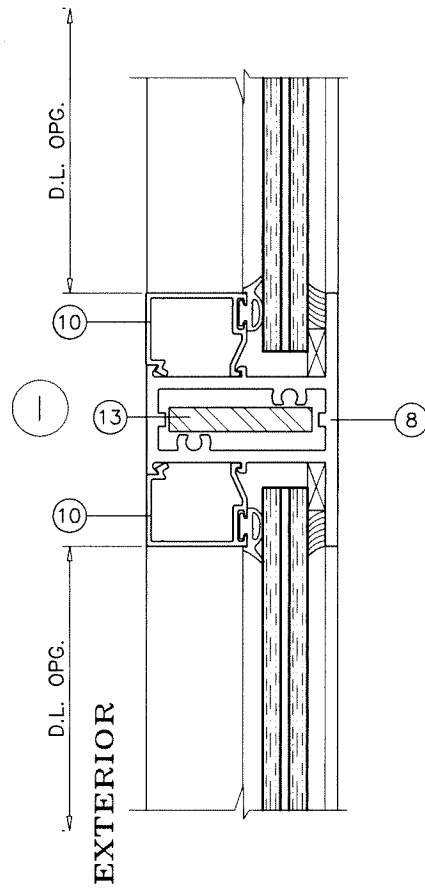
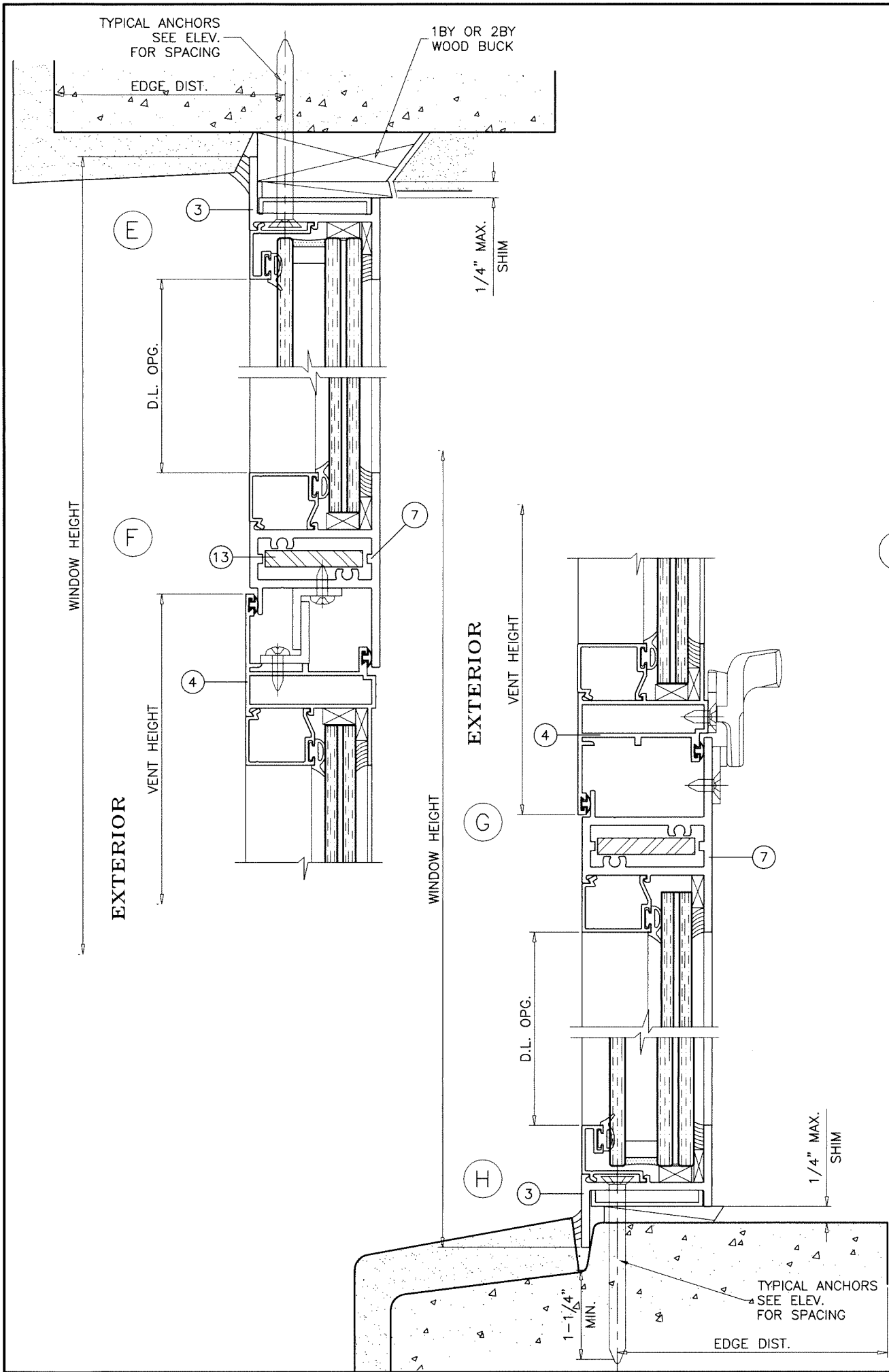


afc
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL W16-11SAT

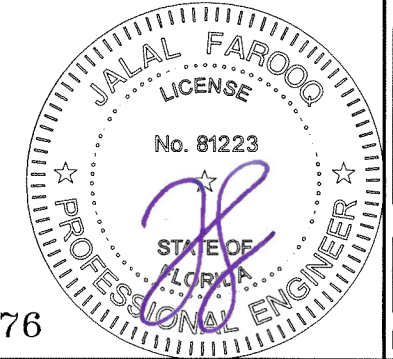
S-3000/3062 ALUM. PROJECTED WDW. (L.M.I.)
SOL-A-TROL ALUMINUM PRODUCTS
 4101 N.W. 132ND STREET
 MIAMI, FL. 33054
 TEL. (305) 681-2020 FAX. (305) 681-2035

| revisions: | no | date | description |
|------------|----|------|-------------|
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|--------------------|------------------|---------------|----------|
| date: 02-15-16 | scale: 1/2" = 1" | dr. by: HAMID | chk. by: |
| drawing no. W16-11 | | | |
| sheet 7 of 12 | | | |



SERIES 3062



Sealed: 12/18/2023

FL #19976

af c

AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3638)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL W16-11SAT

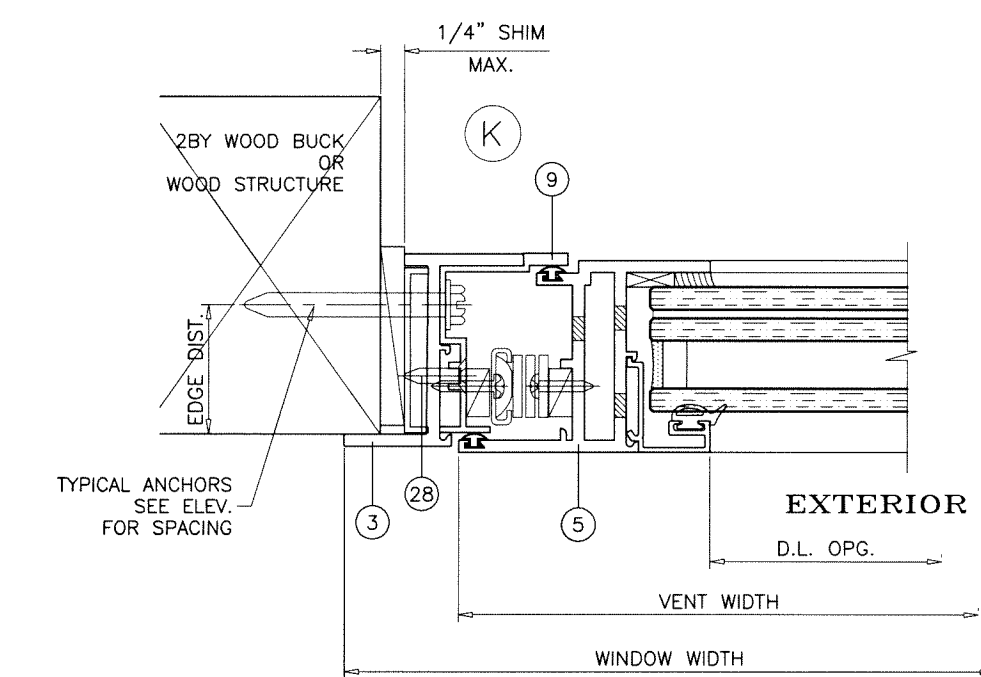
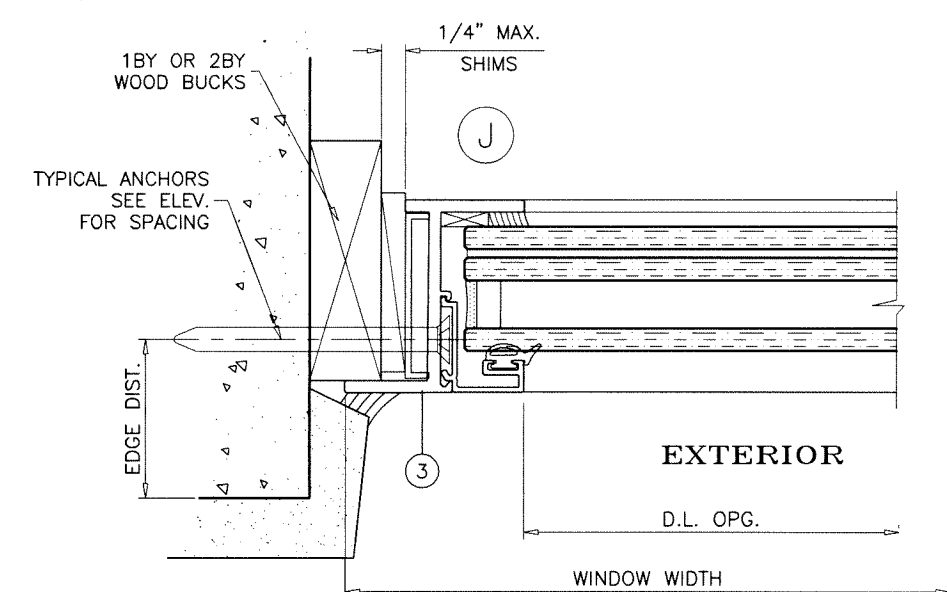
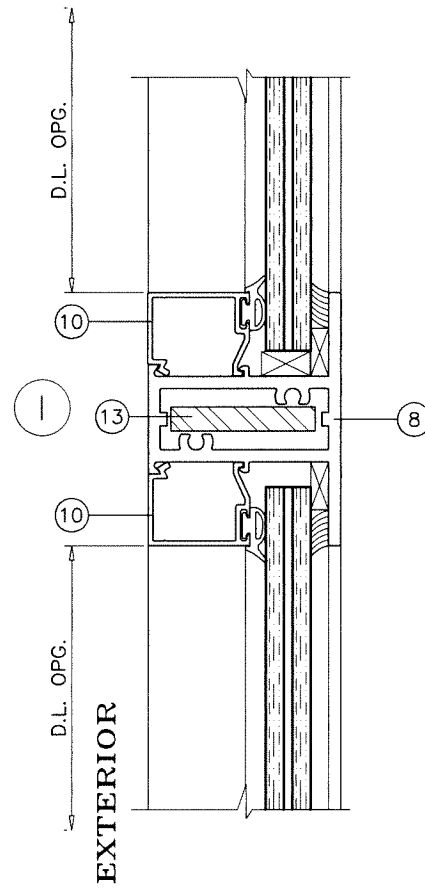
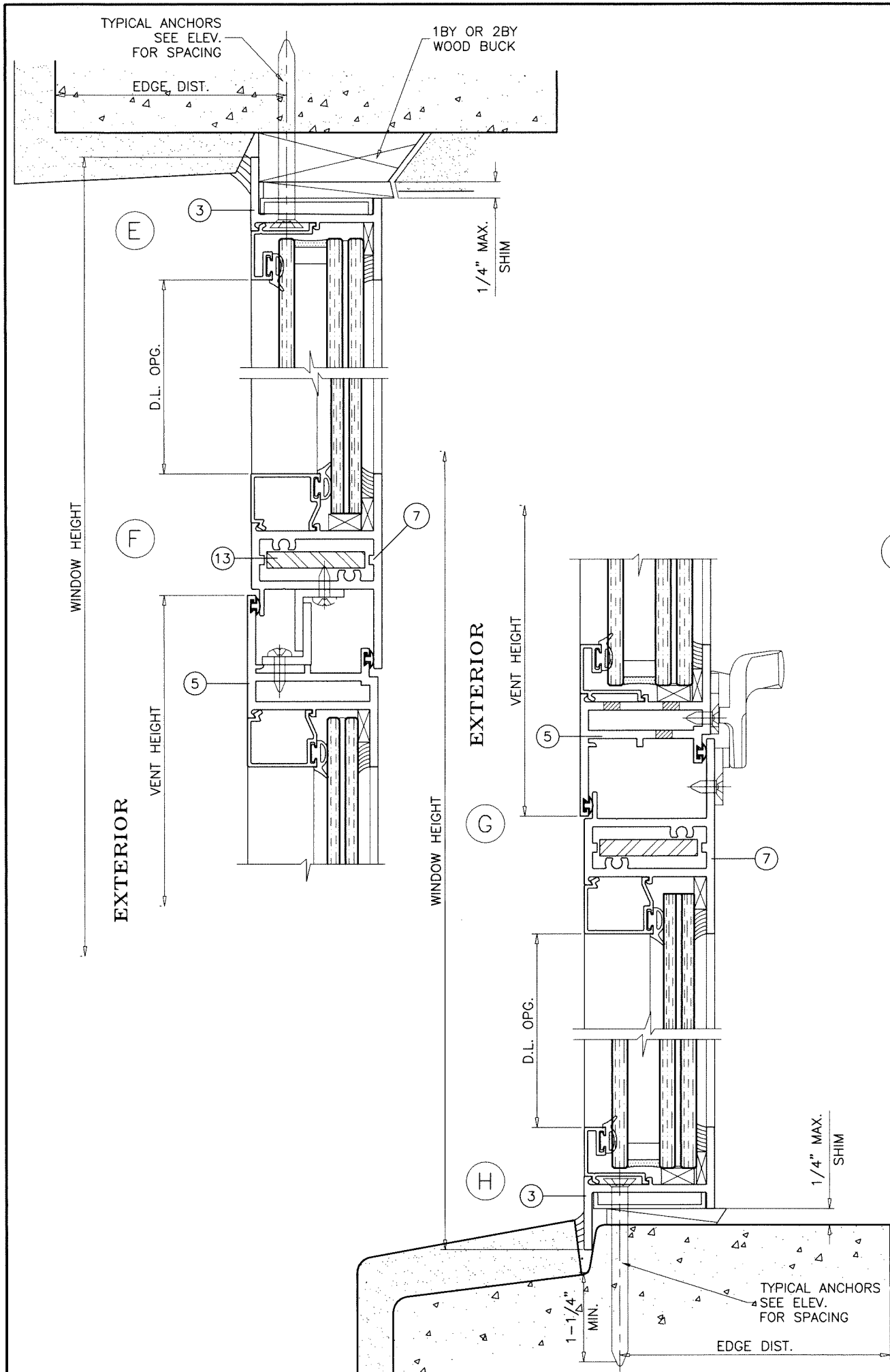
S-3000/3062 ALUM. PROJECTED WDW. (L.M.I.)
SOL-A-TROL ALUMINUM PRODUCTS
 4101 N.W. 132ND STREET
 MIAMI, FL. 33054
 TEL. (305) 681-2020 FAX. (305) 681-2035

| no | date | by | description |
|----|------|----|-------------|
| | | | |
| | | | |
| | | | |

date: 02-15-16
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

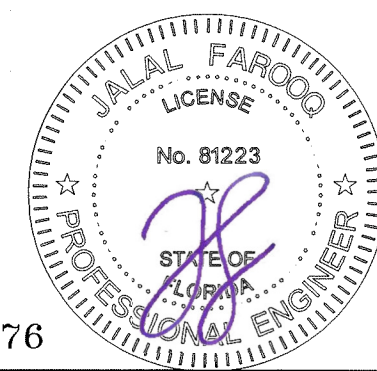
drawing no.
W16-11

sheet 8 of 12



SERIES 3000

Sealed: 12/18/2023



FL #19976

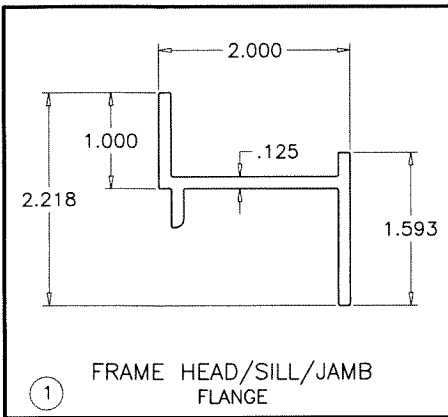
afc
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL W16-11SAT

S-3000/3062 ALUM. PROJECTED WDW. (L.M.I.)
SOL-A-TROL ALUMINUM PRODUCTS
 4101 N.W. 132ND STREET
 MIAMI, FL. 33054
 TEL. (305) 681-2020 FAX. (305) 681-2035

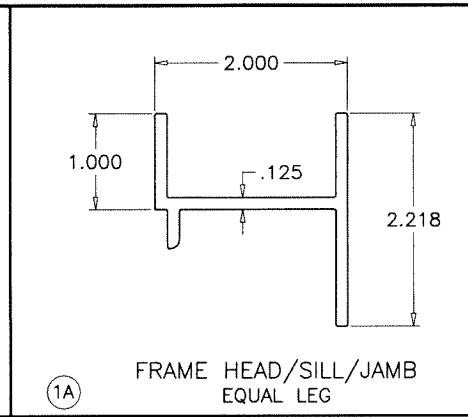
| Revisions: | |
|------------|---------------------|
| no | date by description |
| | |
| | |
| | |
| | |
| | |

| | |
|----------------|------------------|
| date: 02-15-16 | scale: 1/2" = 1" |
| dr. by: HAMID | chk. by: |

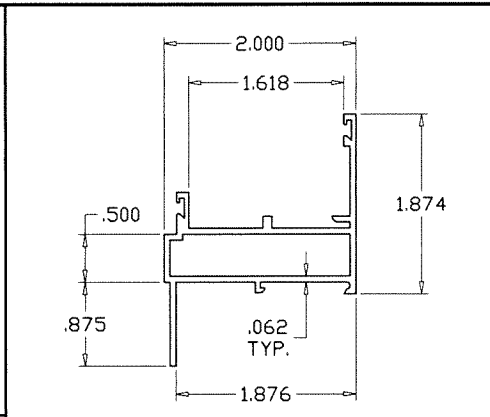
| | |
|-------------|----------|
| drawing no. | W16-11 |
| sheet | 10 of 12 |



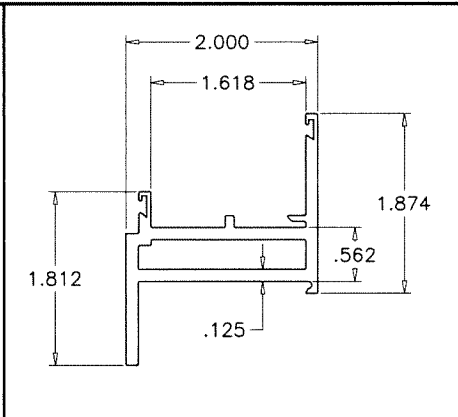
① FRAME HEAD/SILL/JAMB FLANGE



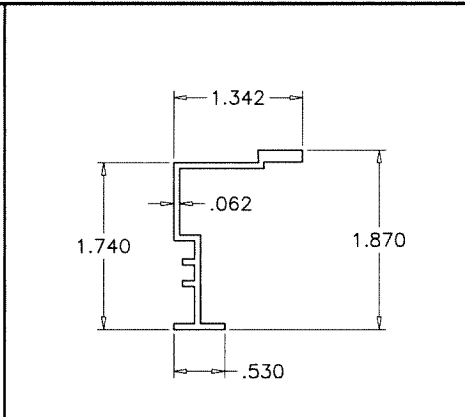
①A FRAME HEAD/SILL/JAMB EQUAL LEG



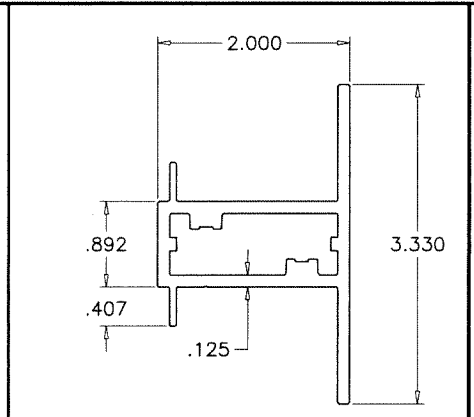
④ VENT (3062)



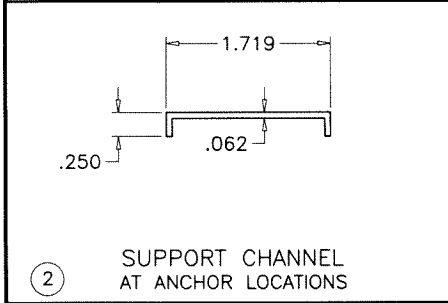
⑤ VENT (3000)



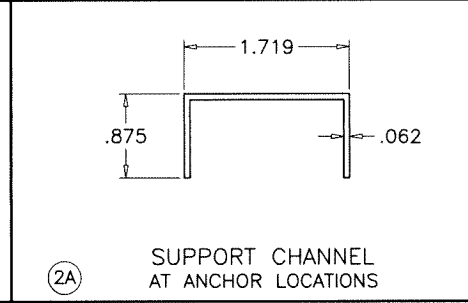
⑨ FTO ADAPTER



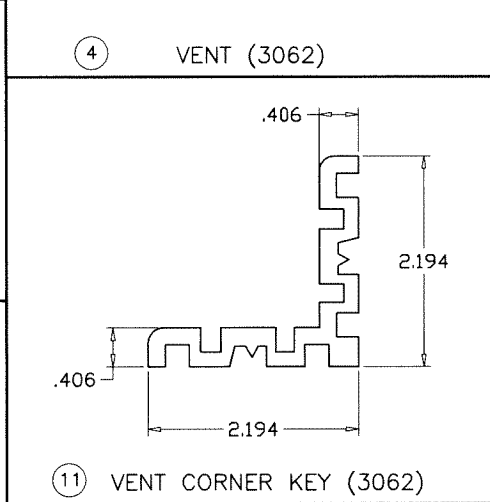
⑥ HORIZ. IMPOST (X/X)



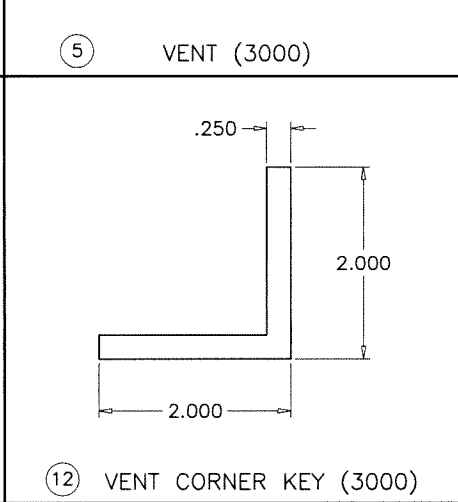
② SUPPORT CHANNEL AT ANCHOR LOCATIONS



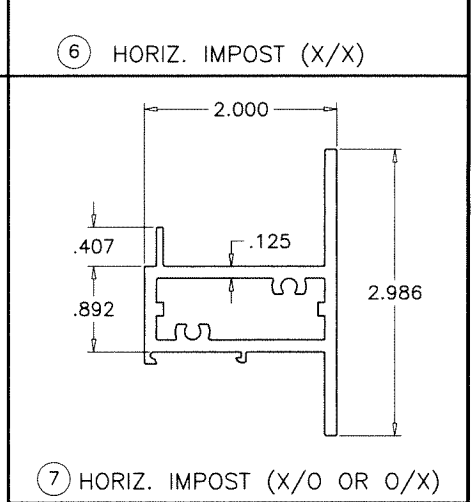
②A SUPPORT CHANNEL AT ANCHOR LOCATIONS



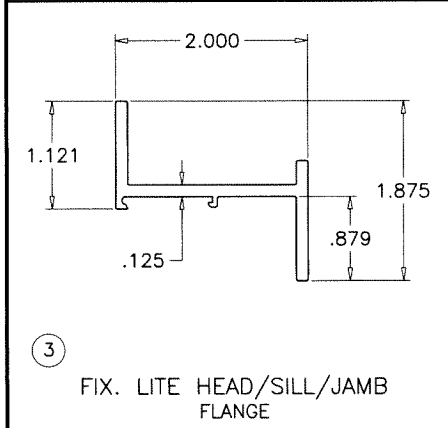
⑪ VENT CORNER KEY (3062)



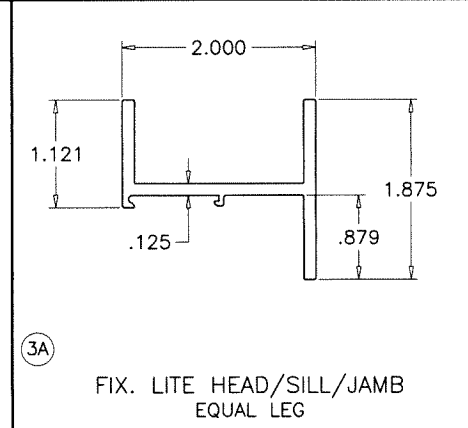
⑫ VENT CORNER KEY (3000)



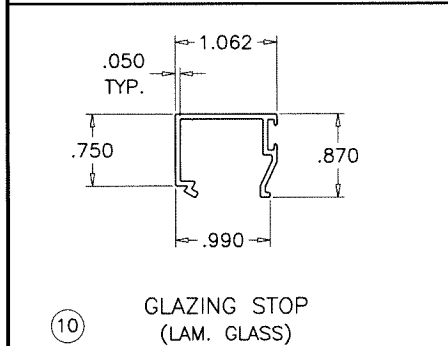
⑦ HORIZ. IMPOST (X/O OR O/X)



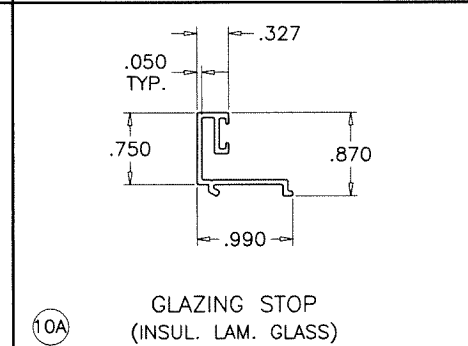
③ FIX. LITE HEAD/SILL/JAMB FLANGE



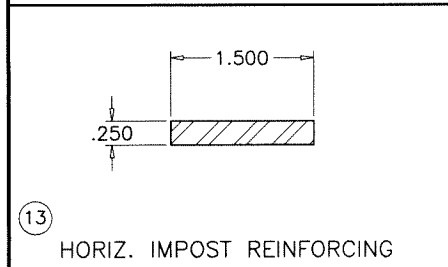
③A FIX. LITE HEAD/SILL/JAMB EQUAL LEG



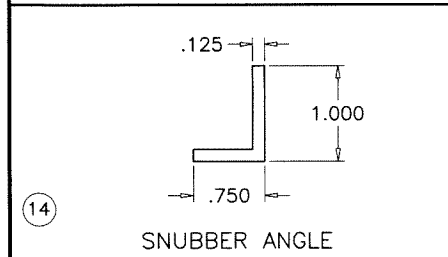
⑩ GLAZING STOP (LAM. GLASS)



⑩A GLAZING STOP (INSUL. LAM. GLASS)



⑬ HORIZ. IMPOST REINFORCING



⑭ SNUBBER ANGLE

LOCKS:

OPTION #1:

(2) CAM LOCKS AT EACH VENT BY 'FRESH LINK' PART #1305 & 1306 EACH INSTALLED WITH (2) #8 X 5/8" MACHINE SCREWS HOOKED KEEPERS AT VERTICAL STILES BY 'FRESH LINK' PART #PN K-2014 AND FLAT KEEPERS AT HORIZONTAL RAILS BY 'BRONZECRAFT' PART #3282-059-0122 FACING LOCKS EACH INSTALLED WITH (2) #10 X 3/8" P FH SMS

OPTION #2:

(2) SWEEP LOCKS AT EACH VENT BY 'MELRON CORP.' PART #1735 EACH INSTALLED WITH (2) #8 X 5/8" MACHINE SCREWS KEEPERS FACING LOCKS INSTALLED WITH (2) #10 X 3/8" P FH SMS.

HINGES:

4 BAR ST. STEEL HINGES FASTENED TO FRAME W/ (5) #10 X 7/8" PH SMS VENT W/ (4) #10 X 7/8" PH SMS

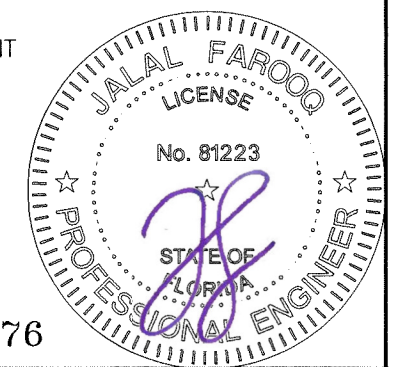
SNUBBERS:

3/4" X 1" X 5" LONG X 1/8" THK. ALUM ANGLE (2) PER VENT AT 7" FROM ENDS EACH INSTALLED WITH (4) #10 X 3/4" PH SMS MATCHING ANGLES INSTALLED IN FRAME

OPERATOR:

2 BAR OPERATORS FASTENED TO FRAME AND VENT WITH (2) #10 X 1" PH TYPE B SCREWS

Sealed: 12/18/2023



FL #19976

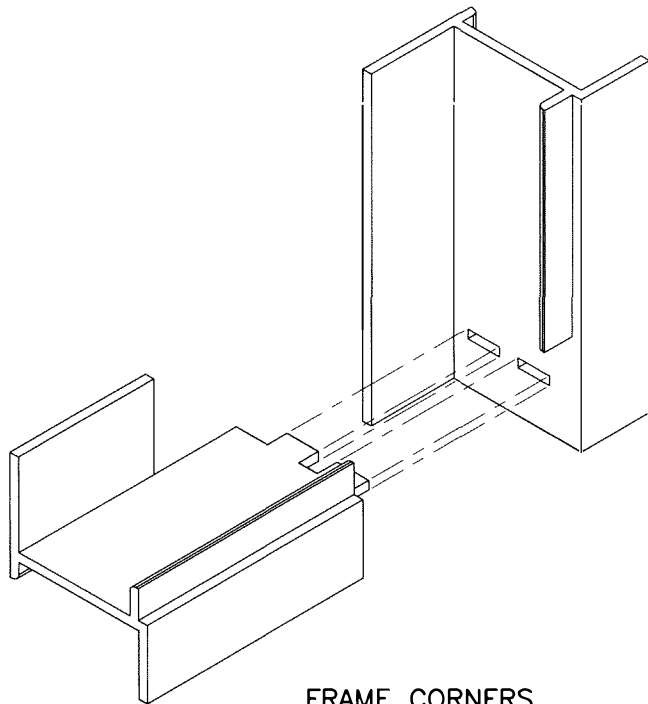
af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\W16-11SAT

S-3000/3062 ALUM. PROJECTED WDW. (L.M.I.)
SOL-A-TROL ALUMINUM PRODUCTS
 4101 N.W. 132ND STREET
 MIAMI, FL. 33054
 TEL. (305) 681-2020 FAX. (305) 681-2035

| revisions: | |
|------------|---------------------|
| no | date by description |
| | |
| | |
| | |
| | |
| | |

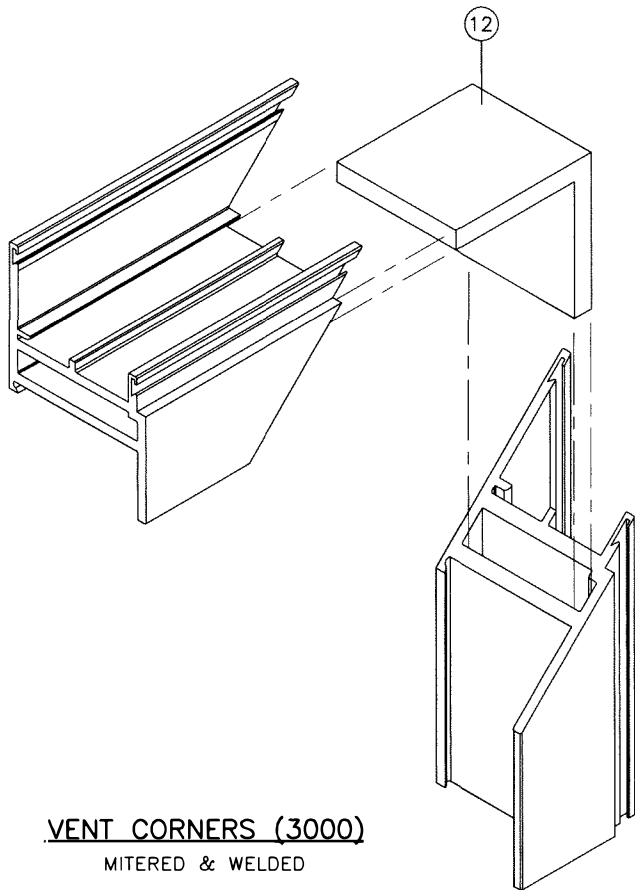
date: 02-15-16
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W16-11
 sheet 11 of 12

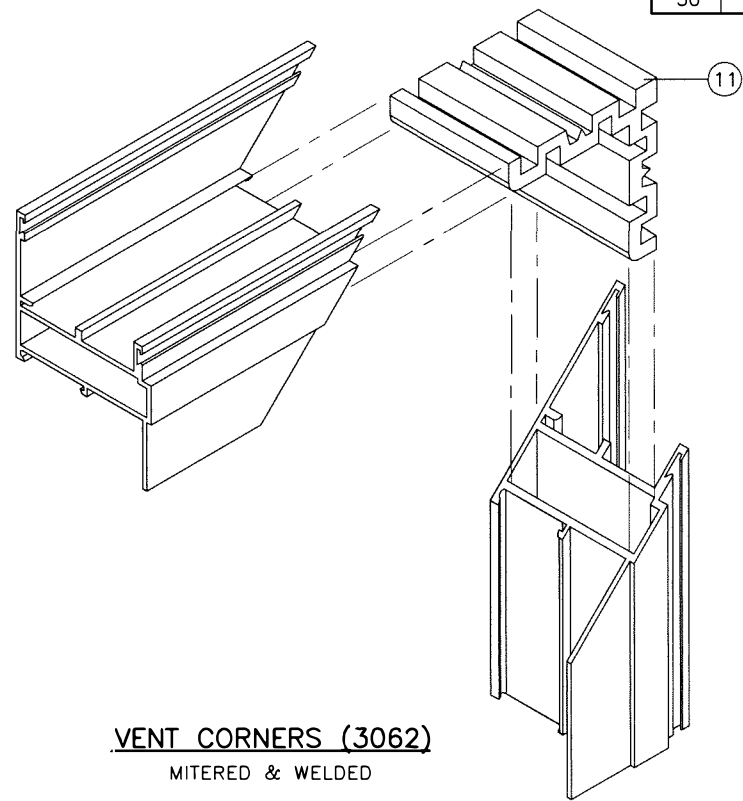


FRAME CORNERS

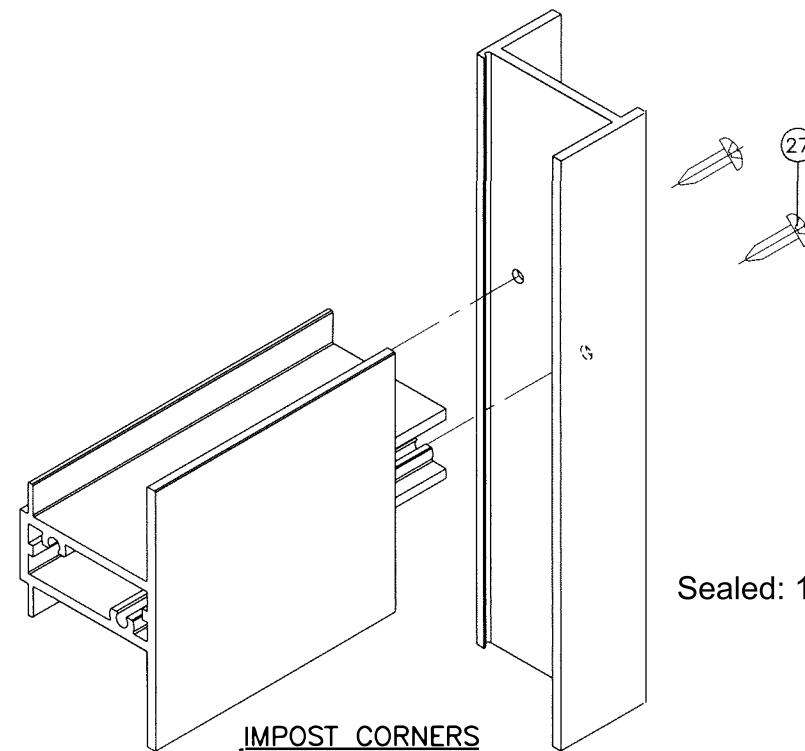
STAKED MORTISE AND TENON FABRICATION



VENT CORNERS (3000)
MITERED & WELDED



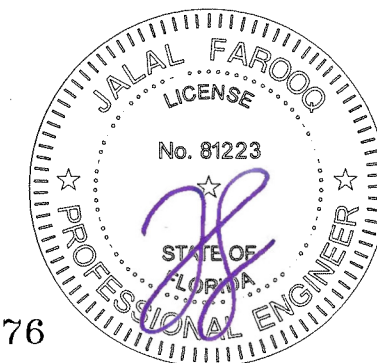
VENT CORNERS (3062)
MITERED & WELDED



IMPOST CORNERS

| ITEM | PART # | QUANTITY | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|------|---------------|----------|---|-----------|--------------------------|
| 1 | ARSO-127 | 1 | FRAME HEAD/SILL/JAMB (FLANGE) | 6063-T5 | - |
| 1A | ARSO-142 | 1 | FRAME HEAD/SILL/JAMB (EQUAL LEG) | 6063-T5 | - |
| 2 | - | 1 | SUPPORT CHANNEL (FLANGE), 3" LONG | 3003-H14 | AT ANCHOR LOCATIONS |
| 2A | - | 1 | SUPPORT CHANNEL (EQUAL LEG), 3" LONG | 3003-H14 | AT ANCHOR LOCATIONS |
| 3 | ARSO-114 | 1 | FIX. LITE HEAD/SILL/JAMB (FLANGE) | 6063-T6 | - |
| 3A | ARSO-934 | 1 | FIX. LITE HEAD/SILL/JAMB (EQUAL LEG) | 6063-T6 | - |
| 4 | ARSO-176 | 4/ | VENT (3062) | 6063-T6 | - |
| 5 | ARSO-105 | 4/ | VENT (3000) | 6063-T6 | - |
| 6 | ARSO-184 | AS REQD. | HORIZ. IMPOST (X/X) | 6063-T6 | - |
| 7 | ARSO-980 | AS REQD. | HORIZ. IMPOST (X/O OR O/X) | 6063-T6 | - |
| 8 | ARSO-984 | AS REQD. | HORIZ. IMPOST (O/O) | 6063-T6 | - |
| 9 | ARSO-100 | AS REQD. | FTO ADAPTER | 6063-T6 | - |
| 10 | ARSO-169 | 4/ | GLAZING STOP (LAM. GLASS) | 6063-T5 | - |
| 10A | ARSO-993 | 4/ | GLAZING STOP (INSUL. LAM. GLASS) | 6063-T5 | - |
| 11 | ARSO-173 | 1/ | CORNER VENT CORNER KEY (3062) | 6063-T5 | - |
| 12 | - | 1/ | CORNER VENT CORNER KEY (3000) | 6063-T5 | - |
| 13 | - | - | HORIZ. IMPOST REINFORCING | STEEL | - |
| 14 | - | 6/ | VENT SNUBBER ANGLE, 5" LONG | 6063-T5 | - |
| 15 | TR8384E | AS REQD. | GLAZING GASKET (LAM. GLASS) | EPDM | TREMCO, DUROMETER 60±5 |
| 16 | 34-16 | 2/ | VENT 4 BAR HINGE | ST. STEEL | TRUTH OR EQUIV. |
| 17 | 798L/799R | 2/ | VENT CAM LOCK WITH KEEPER | BRONZE | AT 8-3/4" FROM VENT ENDS |
| 18 | 326-FP-261AB | AS REQD. | VENT BULB WEATHER STRIPPING | VINYL | PROTOTYPE PLASTICS |
| 19 | - | AS REQD. | VENT ALUM ANGLE, 4" LONG | 6063-T5 | - |
| 20 | 1/4-20 X 3/4" | 6/ | VENT HINGE INSTALLATION SCREWS | ST. STEEL | PAN HEAD SMS |
| 21 | 326-FP-808B | AS REQD. | VENT SETTING BLOCK (1/2" X 1/4" X 2" LONG) @ 6" FROM ENDS | PVC | PROTOTYPE PLASTICS |
| 21A | - | AS REQD. | VENT SETTING BLOCK (1/2" X 1/4" X 2" LONG) @ 6" FROM ENDS | PVC | PROTOTYPE PLASTICS |
| 22 | 326-RP-142B | AS REQD. | VENT SIDE BLOCK (1/2" X 1/8" X FULL LENGTH) | PVC | PROTOTYPE PLASTICS |
| 23 | ALS4-8-32-80 | 2/ | VENT LOCK THREADED INSERT | STEEL | AVK FASTENERS |
| 24 | #8-32 X 1/2" | 2/ | VENT LOCK INSTALLATION SCREWS (3062) | ST. STEEL | FH MS |
| 25 | #10 X 1/2" | 2/ | VENT LOCK INSTALLATION SCREWS (3000) | ST. STEEL | FH SMS |
| 26 | #8 X 3/8" | 2/ | VENT KEEPER INSTALLATION SCREWS | ST. STEEL | FH SMS |
| 27 | #10 X 1-1/2" | 2/ | VENT IMPOST ASSEMBLY SCREWS | - | PH SELF DRILLING |
| 28 | #10 X 3/8" | 6/ | VENT FTO ADAPTER SCREWS | - | PH SMS |
| 29 | #10 X 3/4" | 4/ | VENT SNUBBER ANGLE SCREWS | - | PH SMS |
| 30 | - | 2/ | VENT 1/2" X 1/4" X 24" LONG SHIM | PLASTIC | - |

Sealed: 12/18/2023



FL #19976

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
 MIAMI, FLORIDA 33173 TEL. (305) 262-6978
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL \W16-11SAT

S-3000/3062 ALUM. PROJECTED WDW. (L.M.I.)
SOL-A-TROL ALUMINUM PRODUCTS
 4101 N.W. 132ND STREET
 MIAMI, FL. 33054
 TEL. (305) 681-2020 FAX. (305) 681-2035

| no | date | description |
|----|------|-------------|
| | | |
| | | |
| | | |

date: 02-15-16
 scale: 1/2" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W16-11
 sheet 12 of 12