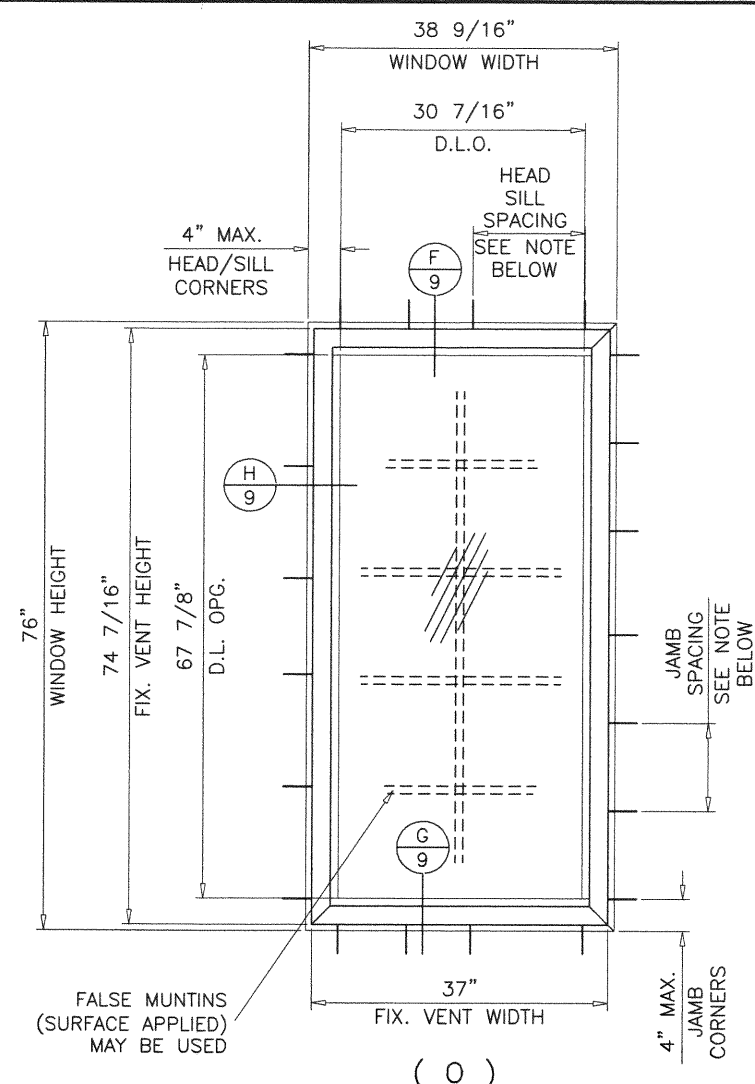
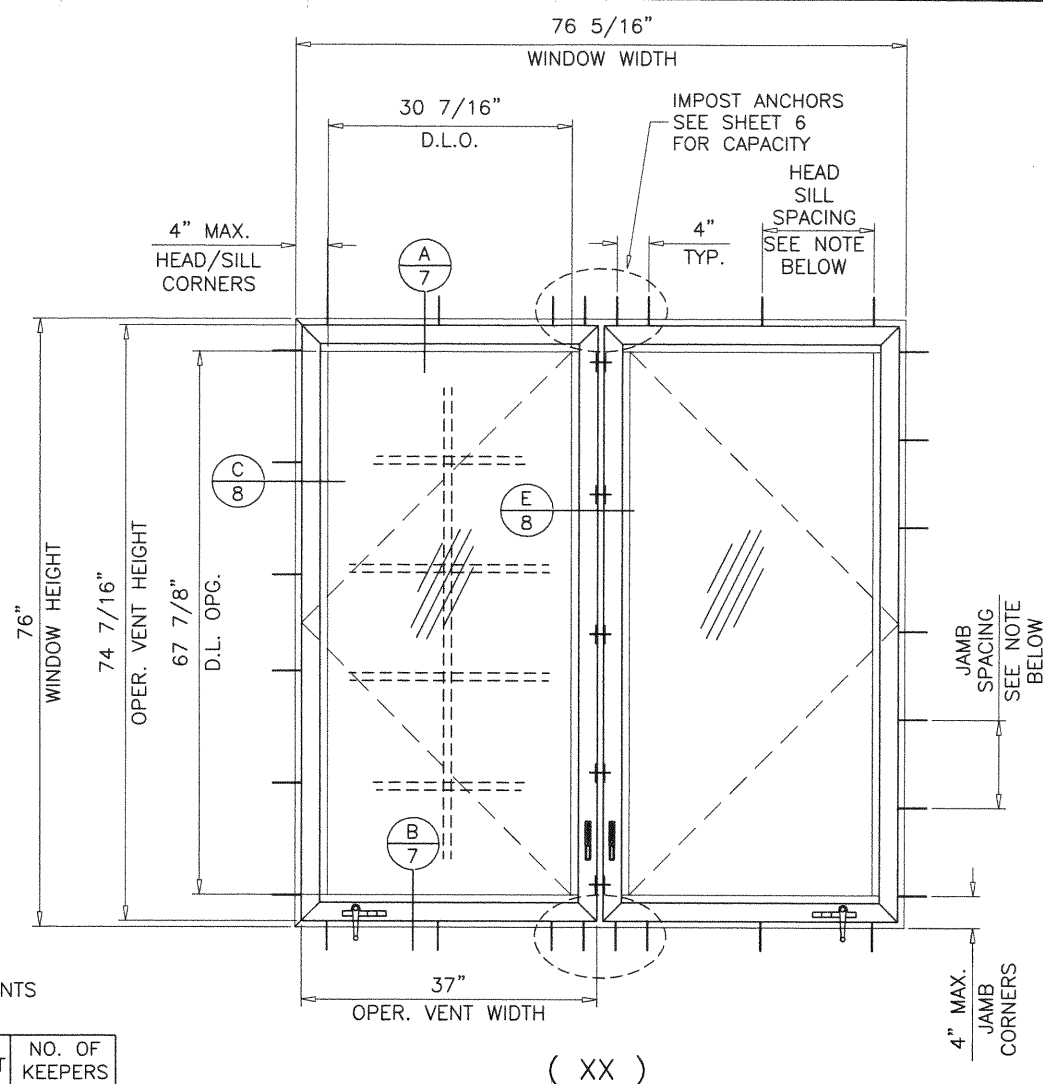


| WDW. HEIGHT UPTO | NO. OF KEEPERS AT SASH |
|---------------------|------------------------------|
| 26" | 2 |
| 38-3/8" | 3 |
| 50-5/8" | 4 |
| 76" | 5 |

TYPICAL ELEVATIONS



ANCHOR SPACING:
14" O.C. MAX. FOR LOADS UPTO 80 PSF
11" O.C. MAX. FOR LOADS ABOVE 80 PSF

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

FIXED WINDOW (O) COMPLIES WITH REQUIREMENTS
OF ANSI Z97.1.

SERIES 600 ALUMINUM CASEMENT WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER
CHARTS SHOWN ON SHEET 6.

APPROVAL APPLIES TO SINGLE, DOUBLE OR TRIPLE WINDOWS
IN ANY COMBINATION OF OPERATING OR FIXED UNITS USING
INTEGRAL IMPOST IN BETWEEN.

ALSO TOP & BOTTOM COMBINATIONS OF FIXED/OPERATING OR
OPERATING/FIXED IN SINGLE, DOUBLE AND TRIPLE UNIT
COMBINATIONS USING INTEGRAL IMPOST IN BETWEEN.

ALSO SIDE BY SIDE OR TOP AND BOTTOM COMBINATIONS OF
CASMT/CASMT OR CASEMENT WITH OTHER WINDOW TYPES IN
MODULES OF TWO OR MORE WINDOWS USING FBC 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 2017 (6TH EDITION)/2020 (7TH 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 2017/2020 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

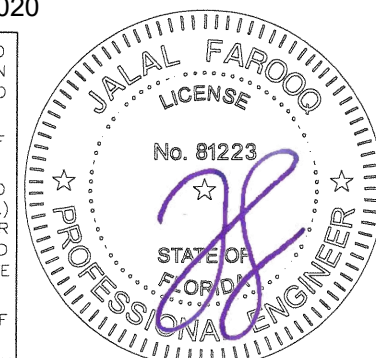
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION
FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY
OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR
WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY,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

Sealed 8-11-2020

FL #29676



- 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.

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL 19-28F-MG

SERIES 600 ALUMINUM CASEMENT WINDOW (L.M.I.)

MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

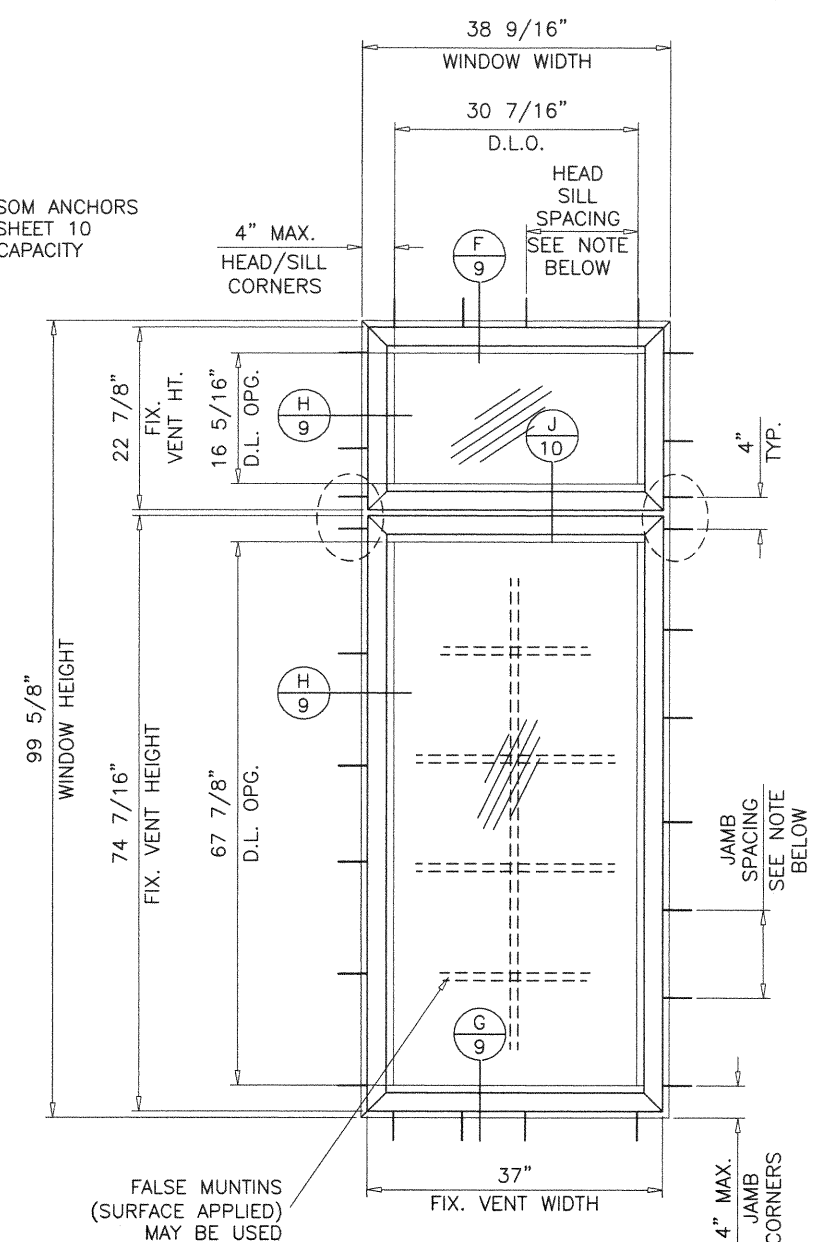
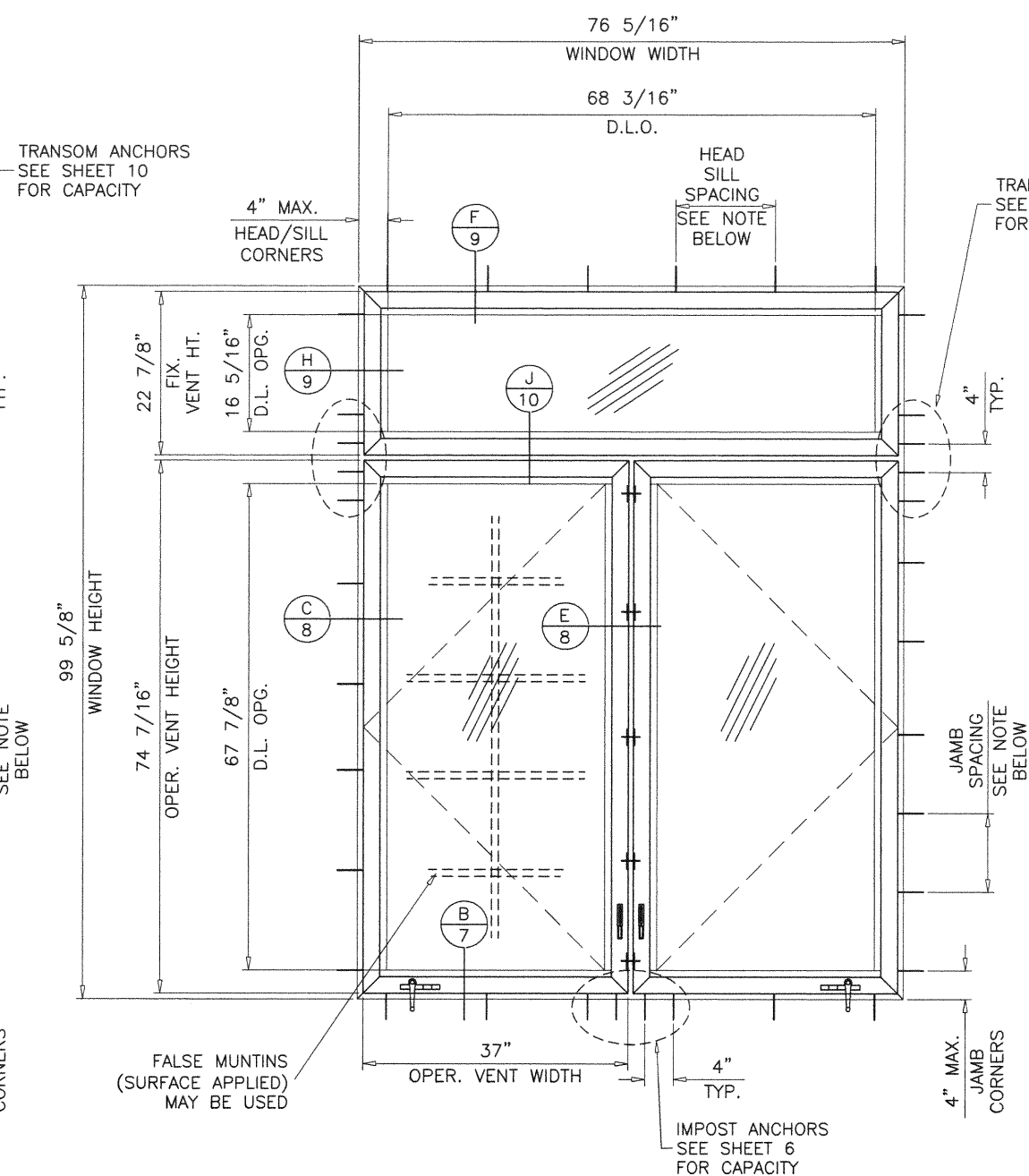
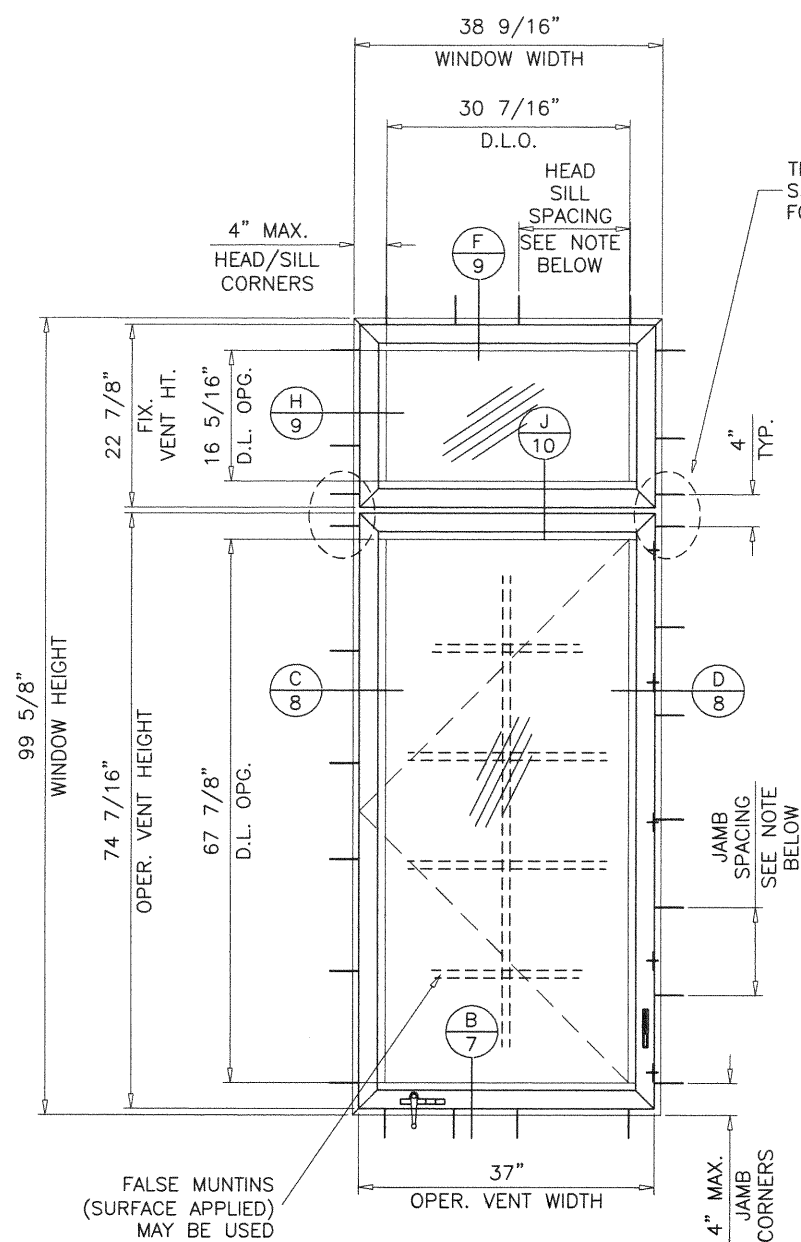
revisions:

| no. | date | by | description |
|-----|----------|----|---------------------|
| A | 03.06.20 | | X/O OPTION ADDED |
| B | 07.24.20 | | UPDATED TO 2020 FBC |

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dr. by: TARIQ
chk. by:

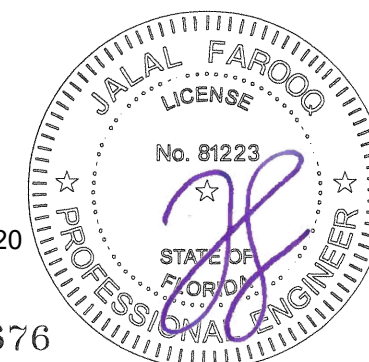
drawing no.
19-28F

sheet 1 of 14



ANCHOR SPACING:
14" O.C. MAX. FOR LOADS UPTO 80 PSF
11" O.C. MAX. FOR LOADS ABOVE 80 PSF

TYPICAL ELEVATIONS



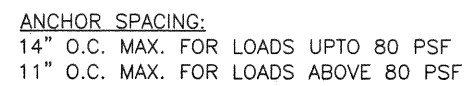
Sealed 8-11-2020

FL #29676

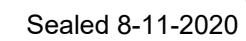
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| | |
|---------------|--|
| drawing no. | |
| 19-28F | |
| sheet 2 of 14 | |



TYPICAL ELEVATION



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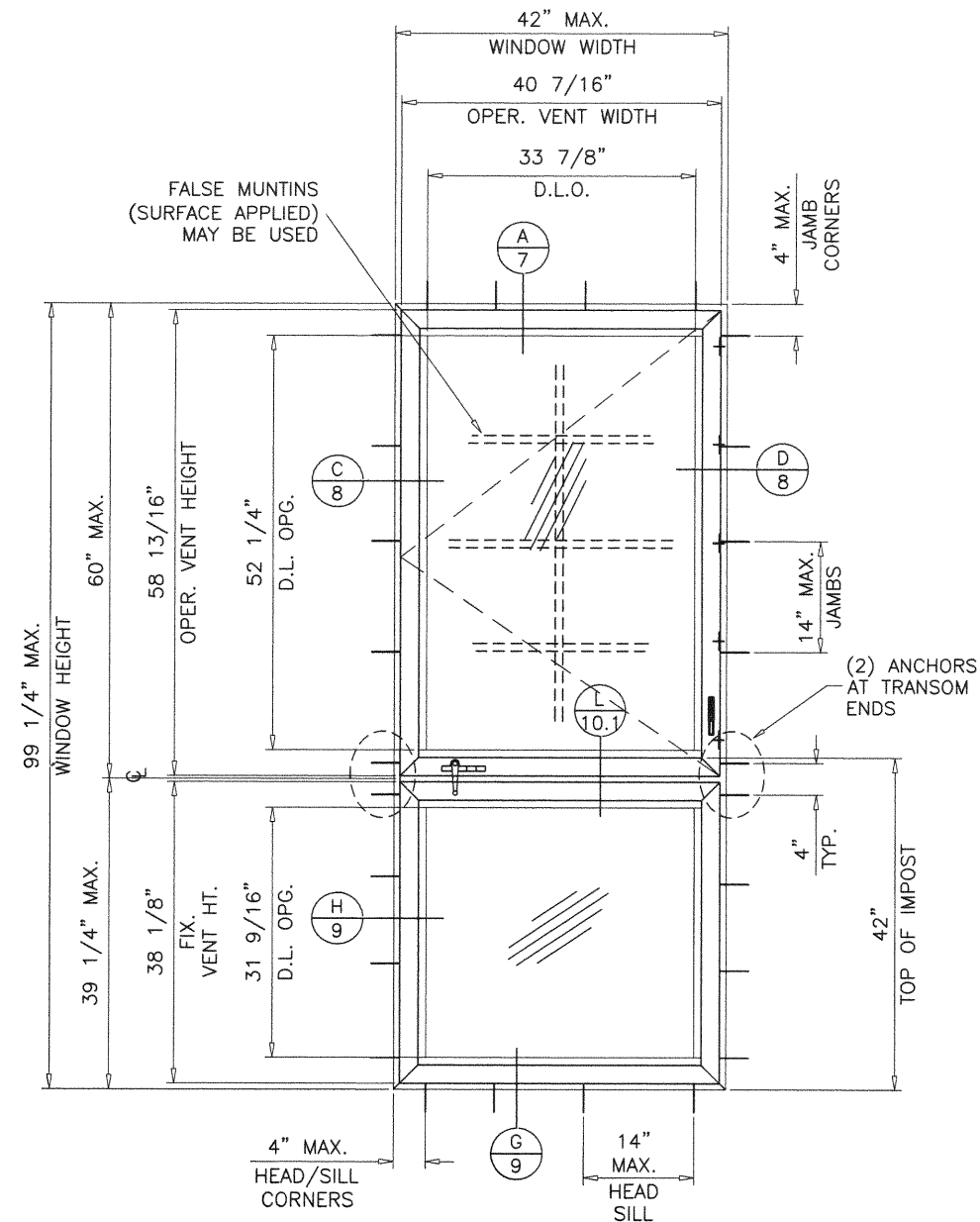
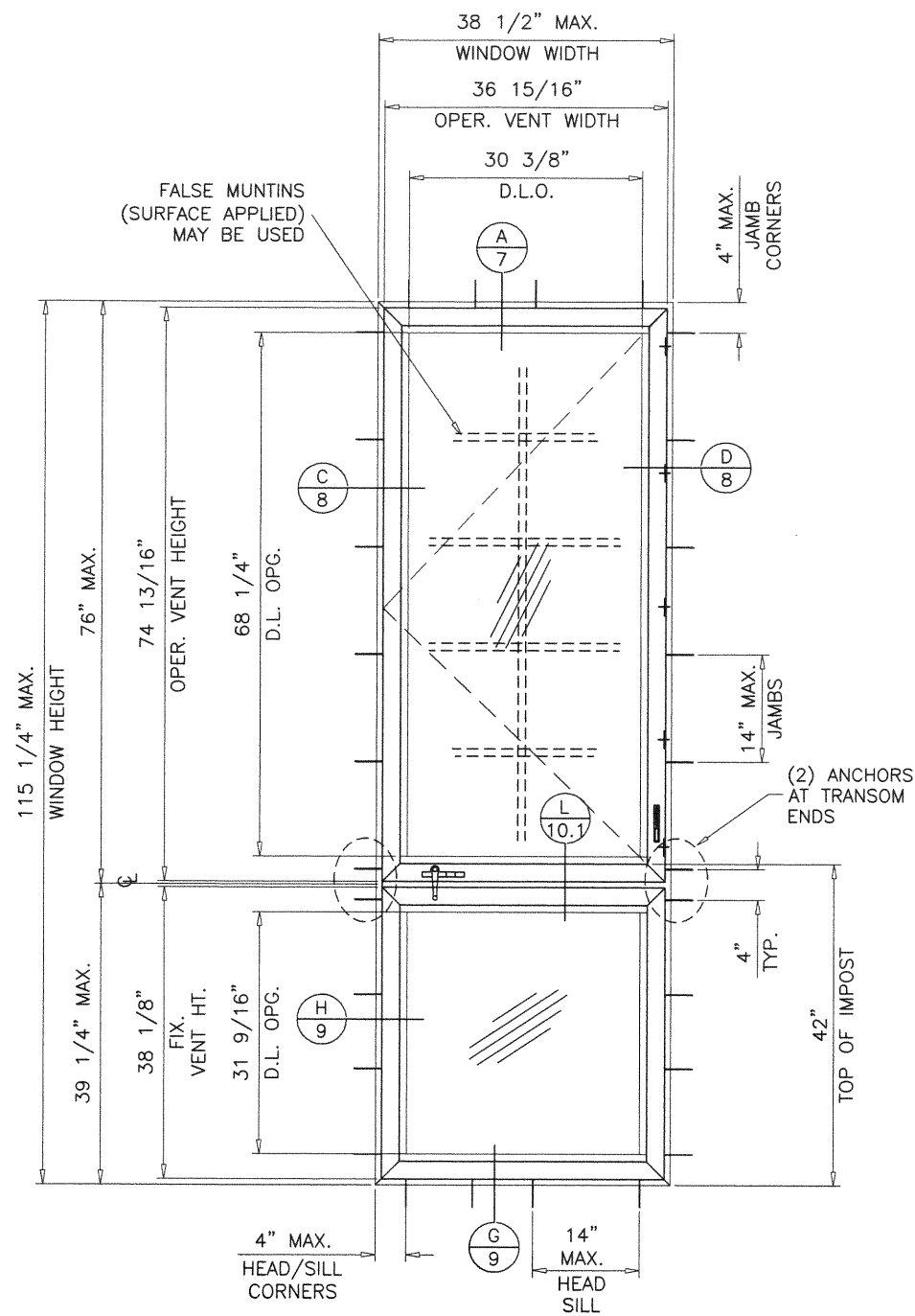
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8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

| | | | |
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| date: 04-15-19 | | | |
| scale: 1/2"=1'-0" | | | |
| dr. by: TARIQ | | | |
| chk. by: | | | |

| revisions: | | | |
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drawing no.
19-28F

sheet 4 of 14



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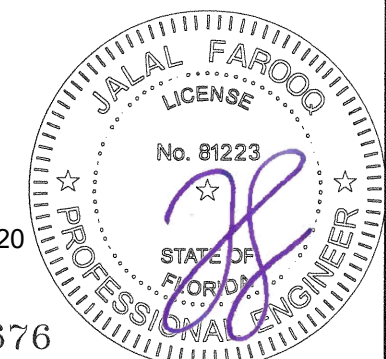
TYPICAL ELEVATIONS

| |
|---|
| MAXIMUM DESIGN LOAD RATING = + 80.0 PSF |
| (FOR SIZES SHOWN ABOVE OR SMALLER) - 80.0 PSF |

MAXIMUM DESIGN LOAD RATING = + 78.6 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER) - 78.6 PSF

Sealed 8-11-2020

FL #29676



AL-FAROOQ CORPORATION
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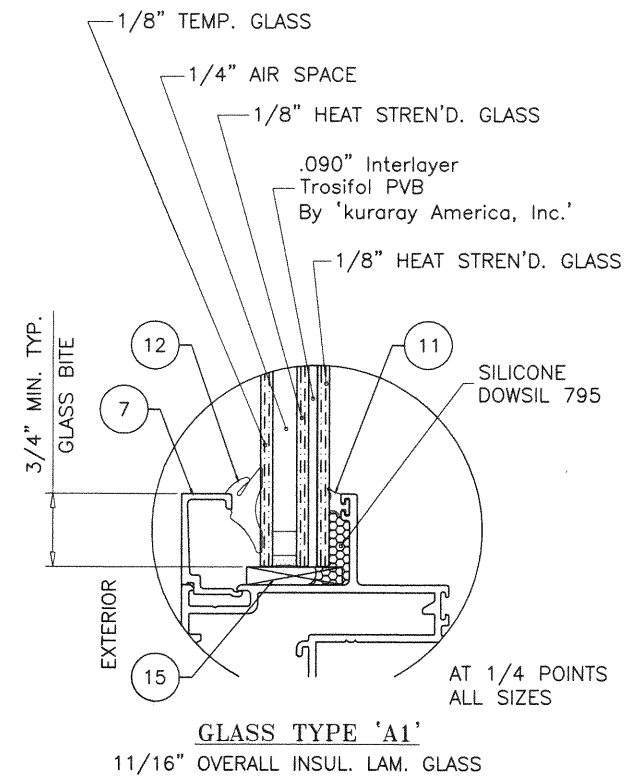
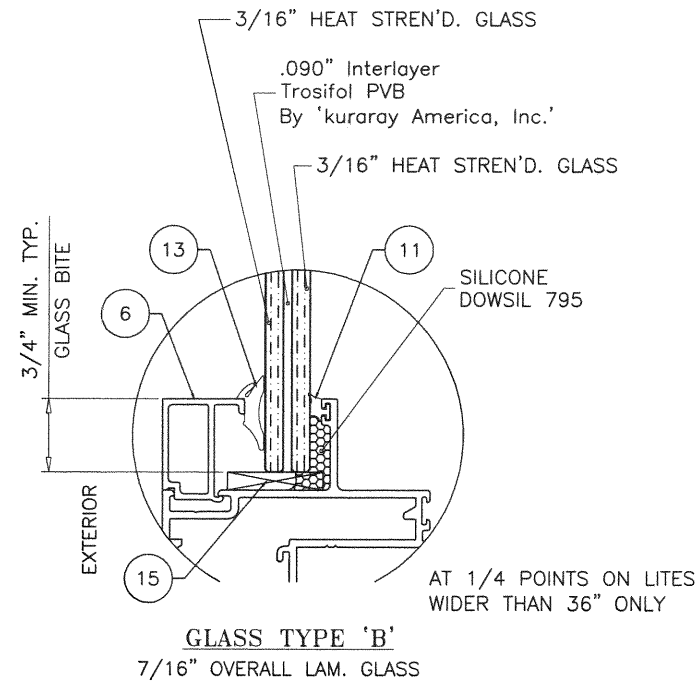
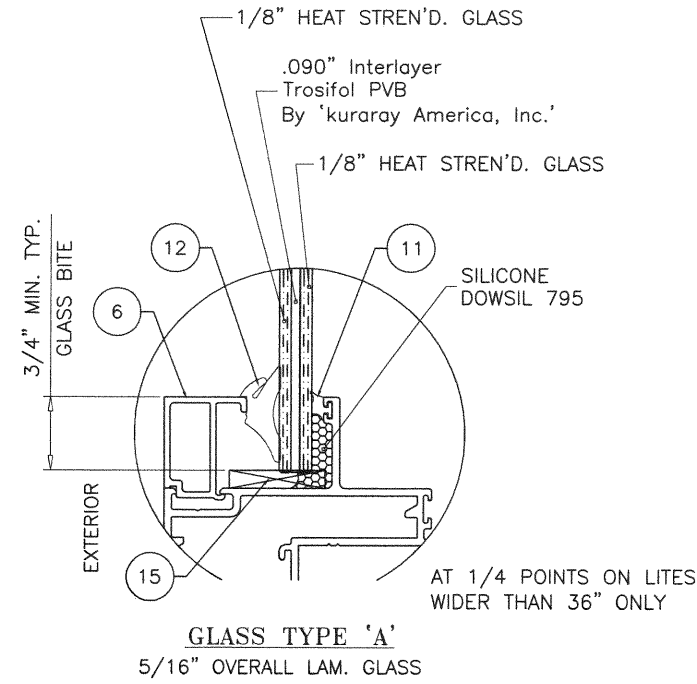
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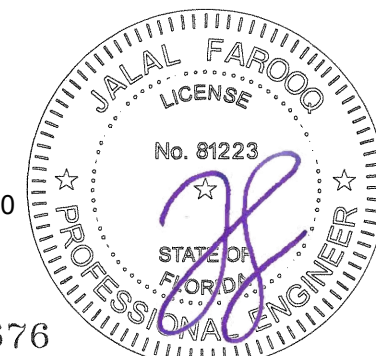
sheet 4.1 of 14



1/4" AIR SPACE CONSISTING OF:
'DURASEAL' EDGE SEAL SYSTEM
BY 'QUANEX'

Sealed 8-11-2020

FL #29676



af c

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ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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TEL (305) 264-8100 FAX (305) 262-6978
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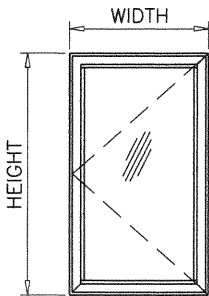
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scale: 1/2" = 1"
dr. by: TARIQ
chk. by:

drawing no.
19-28F

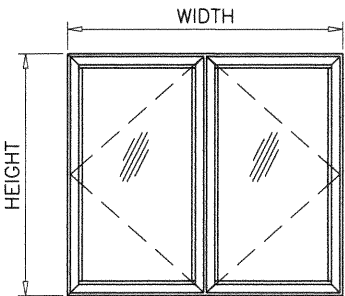
sheet 5 of 14

| DESIGN LOAD CAPACITY – PSF OPERABLE CASEMENT (X SIZES) | | | | | |
|---|---------|---------------------------|---------|-------------------|---------|
| FRAME DIMS. | | GLASS TYPES 'A' & 'A1' | | GLASS TYPE 'B' | |
| WIDTH | HEIGHT | EXT.(+) | 1NT.(–) | EXT.(+) | 1NT.(–) |
| 19–1/8" | 26" | 80.0 | 80.0 | 80.0 | 100.0 |
| 26–1/2" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 19–1/8" | 38–3/8" | 80.0 | 80.0 | 80.0 | 100.0 |
| 26–1/2" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 19–1/8" | 50–5/8" | 80.0 | 80.0 | 80.0 | 100.0 |
| 26–1/2" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 19–1/8" | 56" | 80.0 | 80.0 | 80.0 | 100.0 |
| 26–1/2" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 19–1/8" | 63" | 80.0 | 80.0 | 80.0 | 100.0 |
| 26–1/2" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 19–1/8" | 72" | 80.0 | 80.0 | 80.0 | 100.0 |
| 26–1/2" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 19–1/8" | 76" | 80.0 | 80.0 | 80.0 | 100.0 |
| 26–1/2" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 38–1/2" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 12" | 36" | 80.0 | 80.0 | 80.0 | 100.0 |
| 18" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 24" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 30" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 38" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 42" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 12" | 48" | 80.0 | 80.0 | 80.0 | 100.0 |
| 18" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 24" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 30" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 38" | | 77.9 | 77.9 | 77.9 | 97.4 |
| 42" | | 70.5 | 70.5 | 70.5 | 88.1 |
| 12" | 60" | 80.0 | 80.0 | 80.0 | 100.0 |
| 18" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 24" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 30" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 38" | | 77.9 | 77.9 | 77.9 | 97.4 |
| 42" | | 70.5 | 70.5 | 70.5 | 88.1 |
| 12" | 72" | 80.0 | 80.0 | 80.0 | 100.0 |
| 18" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 24" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 30" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 38" | | 77.9 | 77.9 | 77.9 | 97.4 |

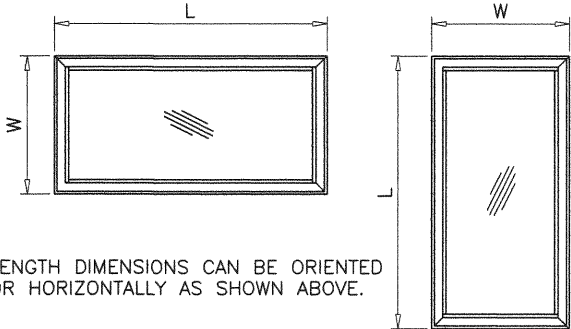


| DESIGN LOAD CAPACITY – PSF OPERABLE CASEMENT (XX SIZES) | | | | | |
|--|---------|--------------------------------|---------|--------------------------------|---------|
| FRAME DIMS. | | 2 ANCHORS AT IMPOST LOCATION | | 4 ANCHORS AT IMPOST LOCATION | |
| | | GLASS TYPES 'A', 'A1' & 'B' | | GLASS TYPES 'A', 'A1' & 'B' | |
| WIDTH | HEIGHT | EXT.(+) | 1NT.(–) | EXT.(+) | 1NT.(–) |
| 37" | 26" | 80.0 | 80.0 | 80.0 | 80.0 |
| 53–1/8" | | 80.0 | 80.0 | 80.0 | 80.0 |
| 74" | | 80.0 | 80.0 | 80.0 | 80.0 |
| 37" | 38–3/8" | 80.0 | 80.0 | 80.0 | 80.0 |
| 53–1/8" | | 80.0 | 80.0 | 80.0 | 80.0 |
| 74" | | 80.0 | 80.0 | 80.0 | 80.0 |
| 37" | 50–5/8" | 80.0 | 80.0 | 80.0 | 80.0 |
| 53–1/8" | | 80.0 | 80.0 | 80.0 | 80.0 |
| 74" | | 74.1 | 74.1 | 80.0 | 80.0 |
| 37" | 56" | 80.0 | 80.0 | 80.0 | 80.0 |
| 53–1/8" | | 77.7 | 77.7 | 80.0 | 80.0 |
| 74" | | 63.5 | 63.5 | 80.0 | 80.0 |
| 37" | 63" | 80.0 | 80.0 | 80.0 | 80.0 |
| 53–1/8" | | 66.7 | 66.7 | 80.0 | 80.0 |
| 74" | | 53.5 | 53.5 | 80.0 | 80.0 |
| 37" | 72" | 75.9 | 75.9 | 80.0 | 80.0 |
| 53–1/8" | | 56.5 | 56.5 | 80.0 | 80.0 |
| 74" | | 44.5 | 44.5 | 80.0 | 80.0 |
| 37" | 76" | 71.4 | 71.4 | 80.0 | 80.0 |
| 53–1/8" | | 52.9 | 52.9 | 80.0 | 80.0 |
| 74" | | 41.4 | 41.4 | 80.0 | 80.0 |
| 76" | | 40.7 | 40.7 | 80.0 | 80.0 |
| 24" | 36" | 80.0 | 80.0 | 80.0 | 80.0 |
| 36" | | 80.0 | 80.0 | 80.0 | 80.0 |
| 48" | | 80.0 | 80.0 | 80.0 | 80.0 |
| 60" | | 80.0 | 80.0 | 80.0 | 80.0 |
| 76" | | 80.0 | 80.0 | 80.0 | 80.0 |
| 84" | | 80.0 | 80.0 | 80.0 | 80.0 |
| 24" | 48" | 80.0 | 80.0 | 80.0 | 80.0 |
| 36" | | 80.0 | 80.0 | 80.0 | 80.0 |
| 48" | | 80.0 | 80.0 | 80.0 | 80.0 |
| 60" | | 80.0 | 80.0 | 80.0 | 80.0 |
| 76" | | 77.9 | 77.9 | 77.9 | 77.9 |
| 84" | | 70.5 | 70.5 | 70.5 | 70.5 |
| 24" | 60" | 80.0 | 80.0 | 80.0 | 80.0 |
| 36" | | 80.0 | 80.0 | 80.0 | 80.0 |
| 48" | | 76.5 | 76.5 | 80.0 | 80.0 |
| 60" | | 65.3 | 65.3 | 80.0 | 80.0 |
| 76" | | 56.6 | 56.6 | 77.9 | 77.9 |
| 84" | | 53.8 | 53.8 | 70.5 | 70.5 |
| 24" | 72" | 80.0 | 80.0 | 80.0 | 80.0 |
| 36" | | 77.7 | 77.7 | 80.0 | 80.0 |
| 48" | | 61.2 | 61.2 | 80.0 | 80.0 |
| 60" | | 51.5 | 51.5 | 80.0 | 80.0 |
| 76" | | 45.8 | 45.8 | 77.9 | 77.9 |

NOTE:
FOR TRIPLE CASEMENT CONFIGURATION MULTIPLY
OVERALL WIDTH BY 2/3 AND APPLY CHART
FOR XX SIZES.
THE GLASS AREA OF ANY INDIVIDUAL SASH
SHALL NOT EXCEED THE MAXIMUM TESTED AREA.



| DESIGN LOAD CAPACITY – PSF FIXED CASEMENT (O) | | | | | |
|--|---------|---------------------------|---------|-------------------|---------|
| FRAME DIMS. | | GLASS TYPES 'A' & 'A1' | | GLASS TYPE 'B' | |
| WIDTH | LENGTH | EXT.(+) | 1NT.(–) | EXT.(+) | 1NT.(–) |
| 19–1/8" | 26" | 80.0 | 80.0 | 80.0 | 100.0 |
| 26–1/2" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 53–1/8" | 38–3/8" | 80.0 | 80.0 | 80.0 | 100.0 |
| 19–1/8" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 26–1/2" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 37" | 50–5/8" | 80.0 | 80.0 | 80.0 | 100.0 |
| 53–1/8" | | 77.1 | 77.1 | 77.1 | 96.4 |
| 19–1/8" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 26–1/2" | 56" | 80.0 | 80.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 53–1/8" | | 58.5 | 58.5 | 58.5 | 73.1 |
| 19–1/8" | 63" | 80.0 | 80.0 | 80.0 | 100.0 |
| 26–1/2" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 19–1/8" | 72" | 80.0 | 80.0 | 80.0 | 100.0 |
| 26–1/2" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 19–1/8" | 76" | 80.0 | 80.0 | 80.0 | 100.0 |
| 26–1/2" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 37" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 38–1/2" | 48" | 80.0 | 80.0 | 80.0 | 100.0 |
| 24" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 30" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 32" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 36" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 42" | 60" | 70.5 | 70.5 | 70.5 | 88.1 |
| 24" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 30" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 32" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 36" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 42" | 72" | 70.5 | 70.5 | 70.5 | 88.1 |
| 24" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 30" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 32" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 36" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 24" | 84" | 80.0 | 80.0 | 80.0 | 100.0 |
| 30" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 32" | | 80.0 | 80.0 | 80.0 | 100.0 |
| 24" | 96" | 80.0 | 80.0 | 80.0 | 100.0 |




NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED
VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.



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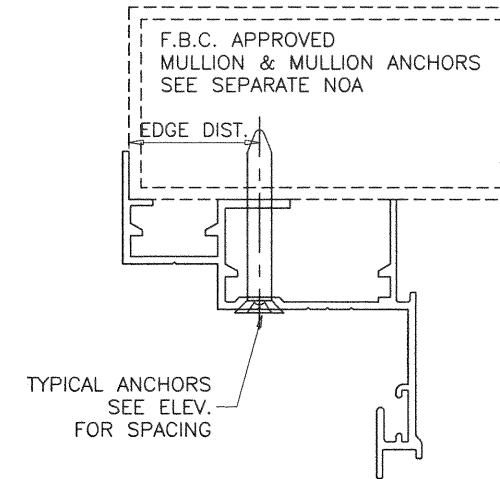
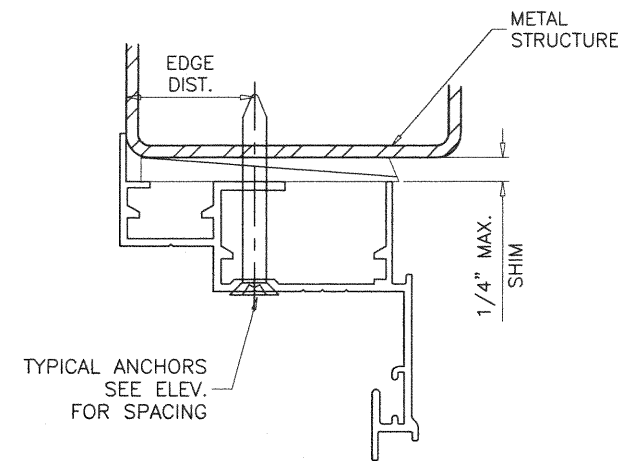
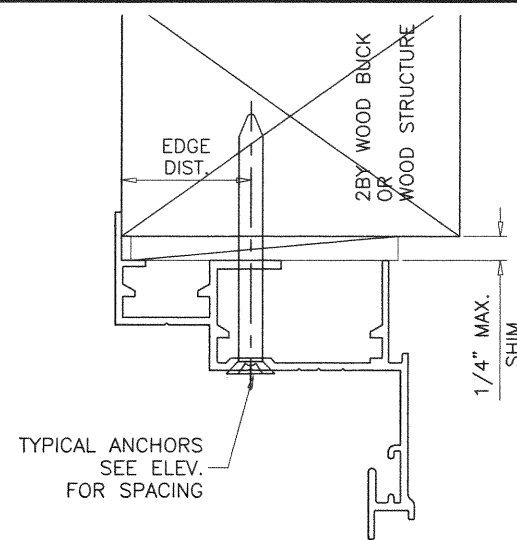
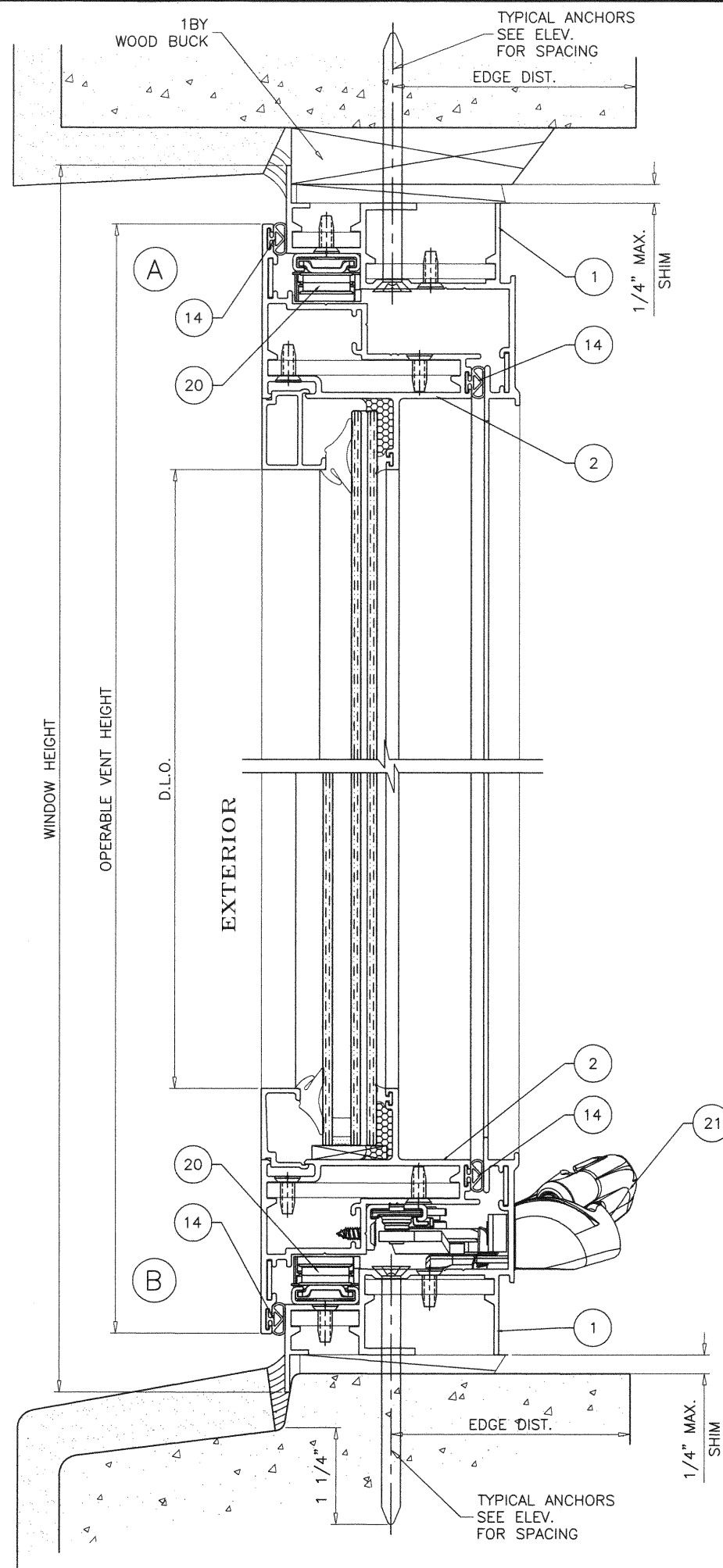
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ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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(C.A.N. 3538)

SERIES 600 ALUMINUM CASEMENT WINDOW (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
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revisions:
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date: 04-15-19
scale: -
dr. by: TARIQ
chk. by:

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19-28F
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WOOD BUCKS AND METAL STRUCTURE NOT BY MR-GLASS MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

5/16\" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2\" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY 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)
1-3/4\" MIN. EMBED INTO GROUT-FILLED BLOCKS (JAMBS)

5/16\" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 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. ($F_y = 36$ KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

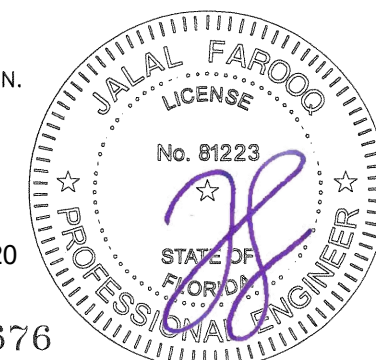
CRITICAL EDGE DISTANCE

INTO CONCRETE AND BLOCKS = 2-1/2\" MIN.
INTO WOOD STRUCTURE = 1\" MIN.
INTO METAL STRUCTURE = 3/4\" 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.

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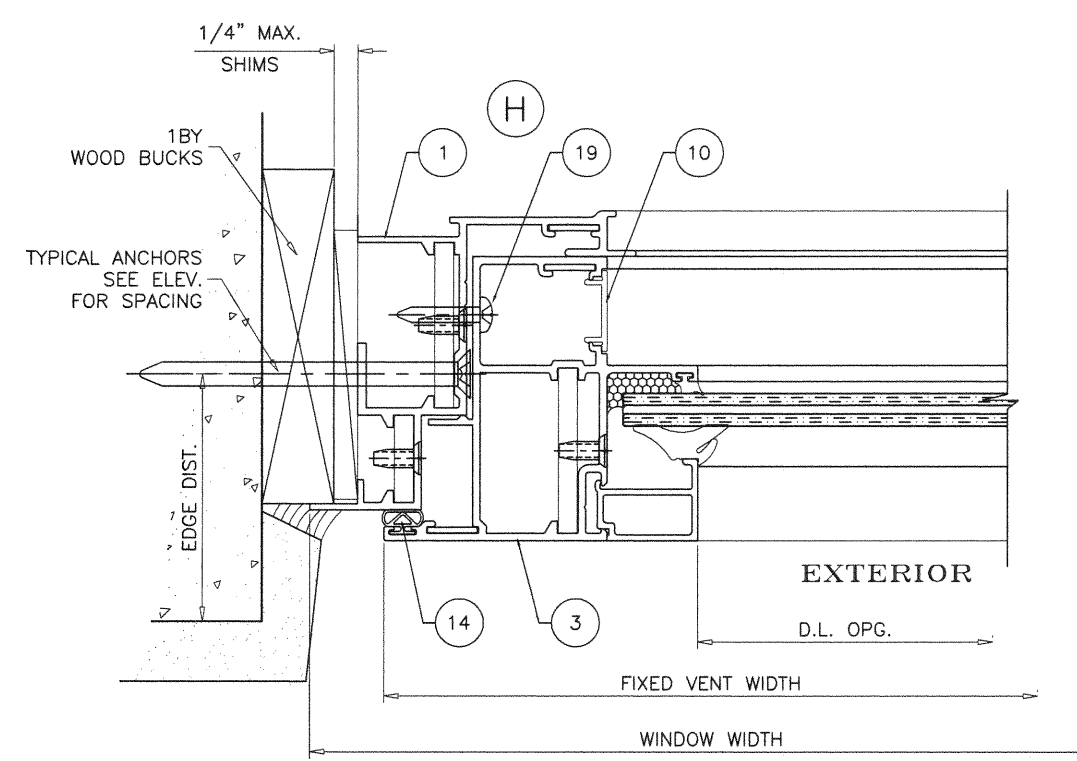
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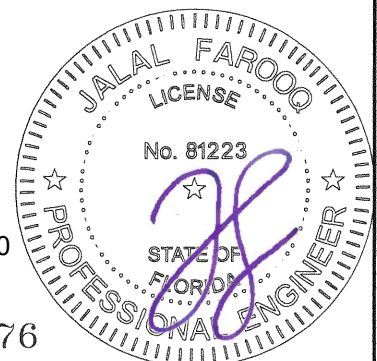
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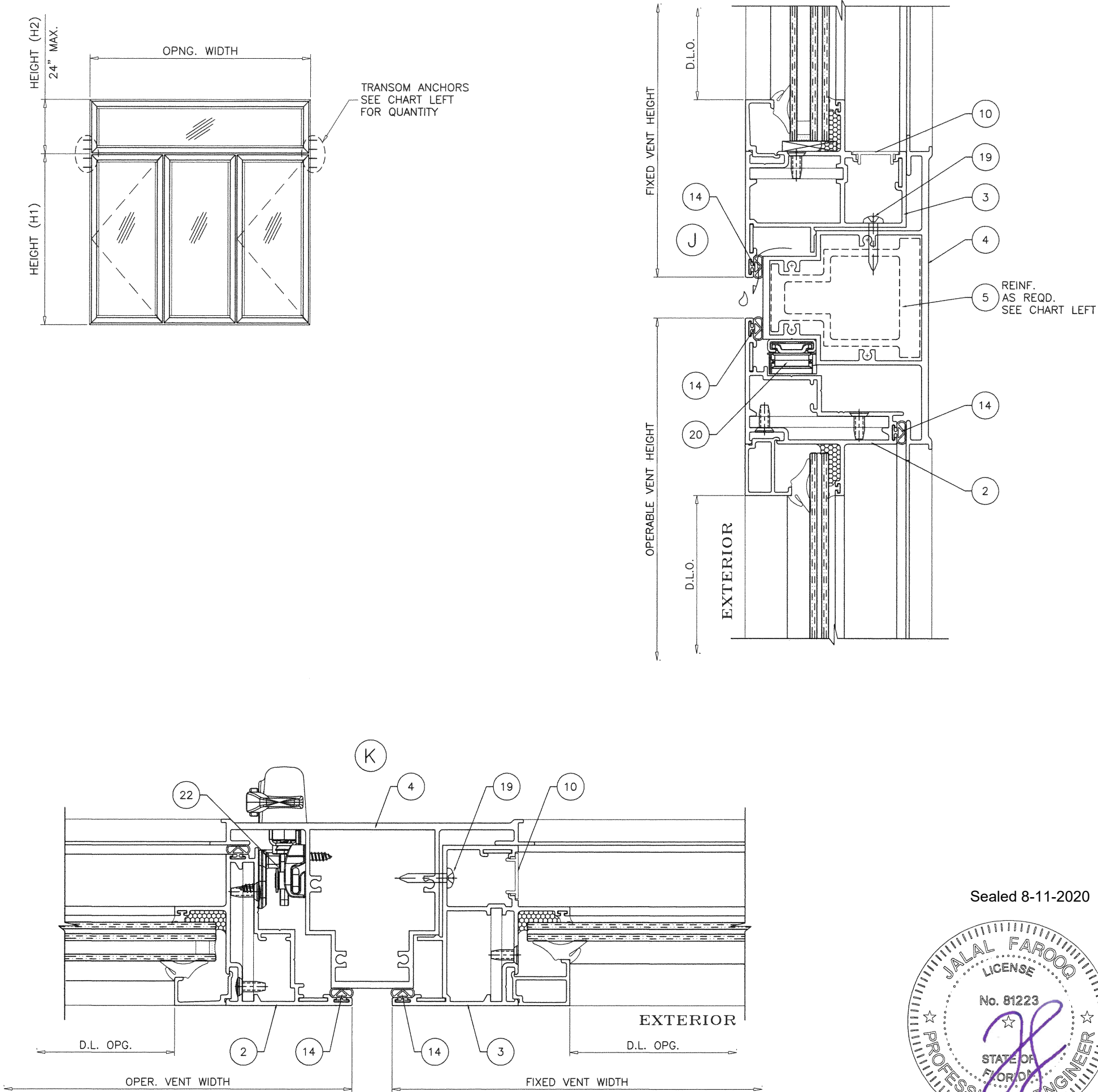
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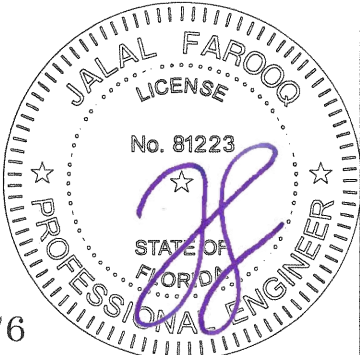
19-28F

sheet 9 of 14

| TRANSOM DESIGN LOAD CAPACITY | | | | | |
|------------------------------|--------------------|--------------------|----------------|-------------|--------------------------------|
| NOMINAL DIMS. | | | WITHOUT REINF. | WITH REINF. | NO. OF ANCHORS AT TRANSOM ENDS |
| OPNG. WIDTH INCHES | HEIGHT (H1) INCHES | HEIGHT (H2) INCHES | | | |
| 48 | 36 | 24 | 80.0 | 80.0 | 2 |
| 50 | | | 80.0 | 80.0 | 3 |
| 62 | | | 80.0 | 80.0 | 3 |
| 74 | | | 80.0 | 80.0 | 4 |
| 86 | | | — | 80.0 | 4 |
| 98 | | | — | 80.0 | 5 |
| 48 | 38-3/8 | 24 | 80.0 | 80.0 | 3 |
| 50 | | | 80.0 | 80.0 | 3 |
| 62 | | | 80.0 | 80.0 | 3 |
| 74 | | | 80.0 | 80.0 | 4 |
| 86 | | | — | 80.0 | 4 |
| 98 | | | — | 80.0 | 5 |
| 48 | 48 | 24 | 80.0 | 80.0 | 3 |
| 50 | | | 80.0 | 80.0 | 3 |
| 62 | | | 80.0 | 80.0 | 4 |
| 74 | | | 80.0 | 80.0 | 4 |
| 86 | | | — | 80.0 | 5 |
| 98 | | | — | 80.0 | 6 |
| 48 | 50-5/8 | 24 | 80.0 | 80.0 | 3 |
| 50 | | | 80.0 | 80.0 | 3 |
| 62 | | | 80.0 | 80.0 | 4 |
| 74 | | | 80.0 | 80.0 | 4 |
| 86 | | | — | 80.0 | 5 |
| 98 | | | — | 80.0 | 6 |
| 48 | 56 | 24 | 80.0 | 80.0 | 3 |
| 50 | | | 80.0 | 80.0 | 3 |
| 62 | | | 80.0 | 80.0 | 4 |
| 74 | | | 80.0 | 80.0 | 5 |
| 86 | | | — | 80.0 | 5 |
| 98 | | | — | 80.0 | 6 |
| 48 | 60 | 24 | 80.0 | 80.0 | 3 |
| 50 | | | 80.0 | 80.0 | 3 |
| 62 | | | 80.0 | 80.0 | 4 |
| 74 | | | 80.0 | 80.0 | 5 |
| 86 | | | — | 80.0 | 6 |
| 98 | | | — | 80.0 | 6 |
| 48 | 63 | 24 | 80.0 | 80.0 | 3 |
| 50 | | | 80.0 | 80.0 | 3 |
| 62 | | | 80.0 | 80.0 | 4 |
| 74 | | | 80.0 | 80.0 | 5 |
| 86 | | | — | 80.0 | 6 |
| 98 | | | — | 78.5 | 6 |
| 48 | 76 | 24 | 80.0 | 80.0 | 4 |
| 50 | | | 80.0 | 80.0 | 4 |
| 62 | | | 80.0 | 80.0 | 5 |
| 74 | | | 80.0 | 80.0 | 6 |



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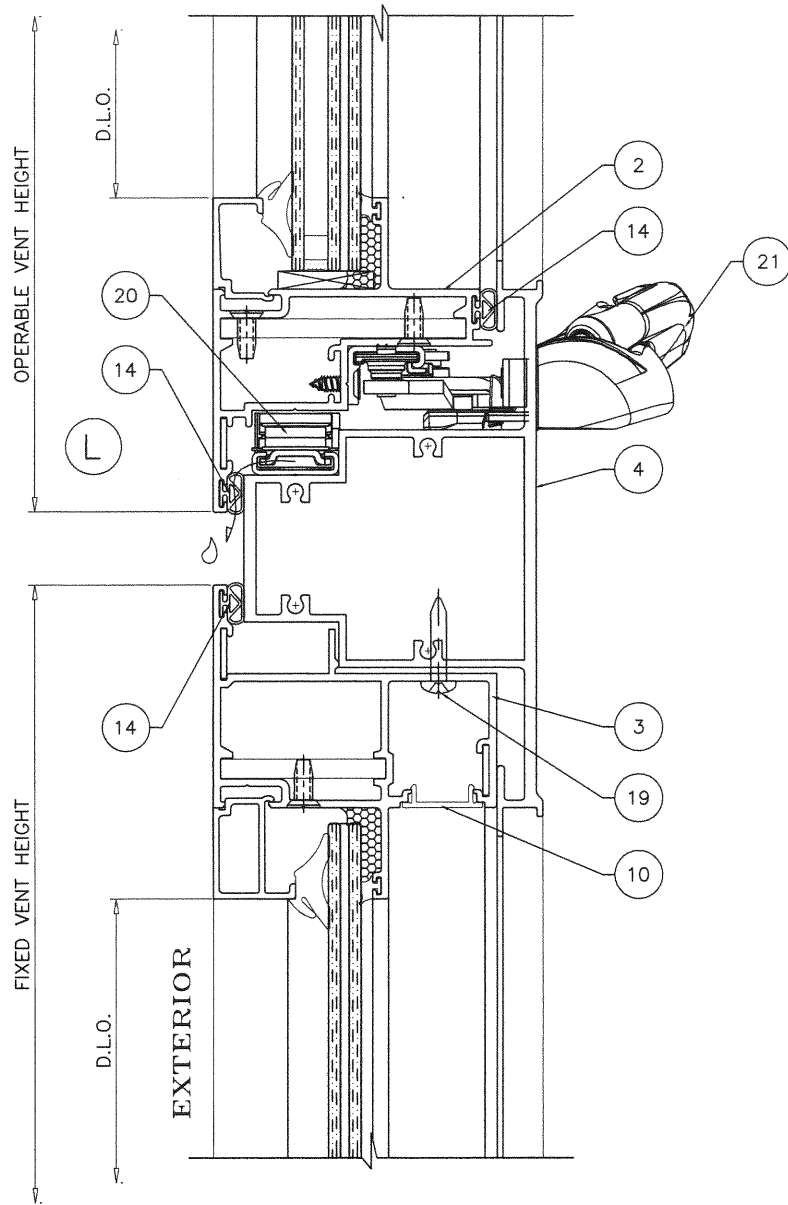
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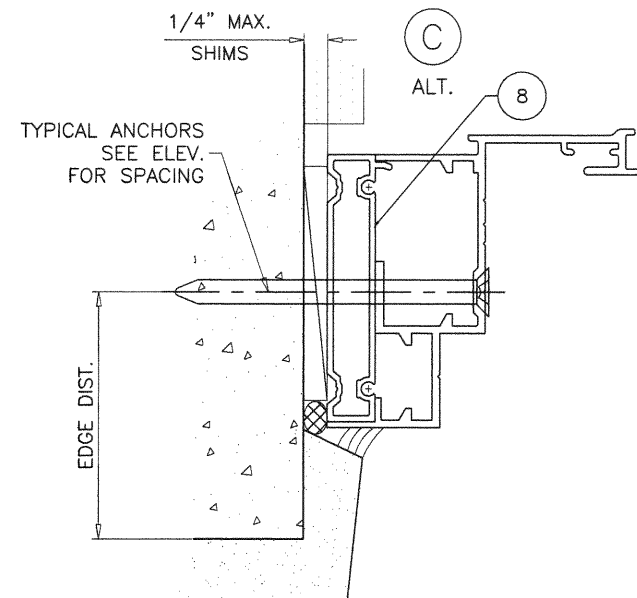
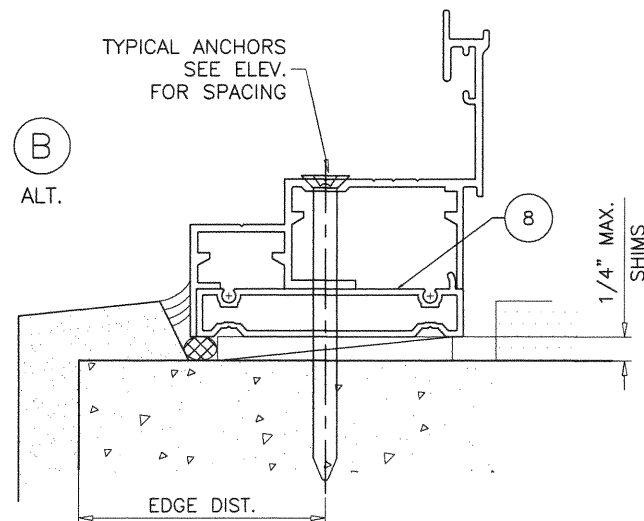
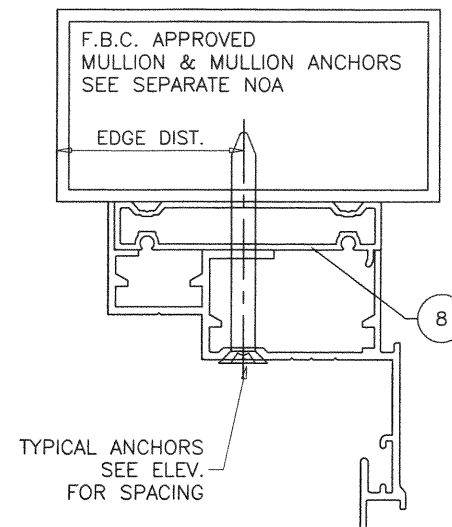
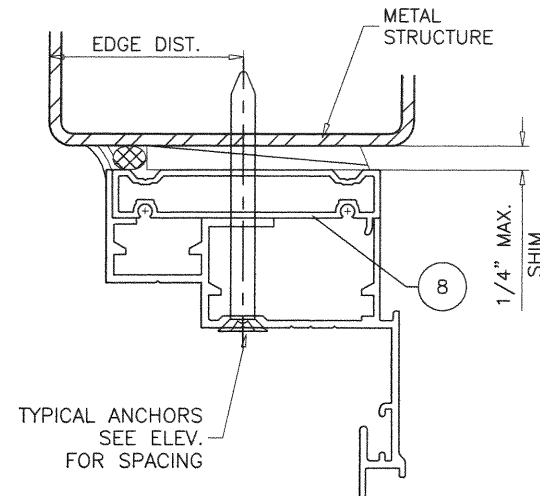
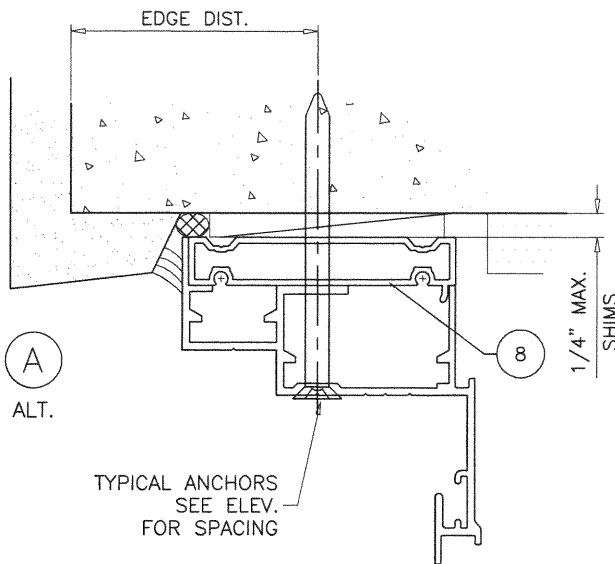


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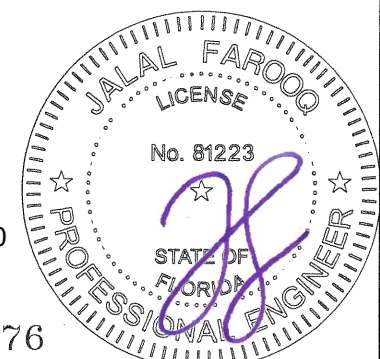
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INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER
SEE SHEETS 7 THRU 9 FOR WINDOW DETAILS

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| ITEM | PART # | QUANTITY | DESCRIPTION | MATERIAL | MANF./SUPPLIER/REMARKS |
|------|--------------|----------|--|------------|------------------------|
| 1 | E-602 | 4/ | WDW. FRAME | 6063-T6 | - |
| 2 | E-601 | 4/ | WDW. OPERABLE VENT | 6063-T6 | - |
| 3 | E-604 | 4/ | WDW. FIXED VENT | 6063-T6 | - |
| 4 | E-603 | AS REQD. | IMPOST | 6063-T6 | - |
| 5 | E-605 | AS REQD. | IMPOST REINFORCING | 6063-T6 | - |
| 6 | E-9001 | 4/ | LITE GLAZING BEAD (LAM. GLASS) | 6063-T6 | - |
| 7 | E-9003 | 4/ | LITE GLAZING BEAD (INSUL. LAM. GLASS) | 6063-T6 | - |
| 8 | E-212 | AS REQD. | FLUSH ADAPTER | 6063-T6 | - |
| 9 | E-2037 | AS REQD. | CORNER KEY | 6063-T6 | - |
| 10 | E-1018 | AS REQD. | FIXED VENT COVER | 6063-T6 | - |
| 11 | G-3001 | AS REQD. | INTERIOR GLAZING GASKET | SANTOPRENE | - |
| 12 | G-601 | AS REQD. | EXTERIOR GLAZING GASKET (5/16" & INSUL. GLASS) | EPDM | DUROMETER 70±5 SHORE A |
| 13 | G10-04 | AS REQD. | EXTERIOR GLAZING GASKET (7/16" GLASS) | EPDM | DUROMETER 70±5 SHORE A |
| 14 | G-3005 | AS REQD. | BULB W'STRIPPING | SANTOPRENE | - |
| 15 | G-602 | 2/ | LITE SETTING BLOCK | SILICONE | - |
| 16 | PJS45-SS | AS REQD. | CORNER GUIDE | ST. STEEL | - |
| 17 | #10 X 1/2" | AS REQD. | CORNER ASSEMBLY FASTENERS | ST. STEEL | FH SMS |
| 18 | #10 X 1-1/2" | AS REQD. | IMPOST ASSEMBLY FASTENERS | ST. STEEL | FH SMS |
| 19 | #10 X 1" | AS REQD. | FIXED VENT FASTENERS, AT 3" FROM ENDS & 13" O.C. | ST. STEEL | FH SMS |
| 20 | - | 2/ | VENT HINGES | - | - |
| 21 | - | 1/ | VENT OPERATOR | - | - |
| 22 | - | 1/ | VENT MULTI POINT LOCK | - | - |

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH DOWSIL 795 SEALANT.

LOCKS:

OPTION #1
MULTI POINT LOCK SYSTEM BY 'INTERLOCK'
AT FRAME JAMB
LOCK OPERATOR AT 12-1/2" FROM SILL
FASTENED TO JAMBS WITH (2) #10 X 5/8" SMS.

LOCK BAR SECURED TO JAMB WITH 9 GUIDES
SPACED AT 10" O.C. MAX.
EACH GUIDE FASTENED WITH (3) #10 X 1/2" P FH SMS

5 NYLON KEEPERS AT VENT FACING LOCKING POINTS
SPACED AT 15" O.C. MAX.
EACH FASTENED WITH (2) #10 X 5/8" P FH SMS

OPTION #2
MULTI POINT LOCK SYSTEM BY 'ROTO FRANK OF AMERICA'
AT FRAME JAMB
LOCK OPERATOR AT 11-1/2" FROM SILL
FASTENED TO JAMBS WITH (2) #10 X 5/8" SMS.

LOCK BAR SECURED TO JAMB WITH 8 GUIDES
SPACED AT 10" O.C. MAX.
EACH GUIDE FASTENED WITH (3) #10 X 1/2" P FH SMS

5 ST. STEEL KEEPERS AT VENT FACING LOCKING POINTS
SPACED AT 17" O.C. MAX.
EACH FASTENED WITH (2) #10 X 5/8" P FH SMS

HINGES:

'STORMB16' FRICTION HINGES BY 'SECURISTYLE'
LOCATED AT TOP AND BOTTOM CORNERS
FASTENED TO FRAME WITH (3) #10 X 1/2" P FH SELF DRILLING SCREWS
FASTENED TO VENT WITH (3) #10 X 1/2" P FH SELF DRILLING SCREWS

OPERATOR:

OPTION #1
DUAL ARM ROTO OPERATOR #C001-0251 BY 'INTERLOCK'
LOCATED AT SILL END
FASTENED WITH (8) #8 X 1/2" P FH SMS

OPTION #2
DUAL ARM ROTO OPERATOR #OP06-7785-AS BY
'ROTO FRANK OF AMERICA'
LOCATED AT SILL END
FASTENED WITH (9) #8 X 1/2" P FH SMS

SNUBBERS:

'ASD2' VECTOR SECURITY DEVICE BY 'ASD' LOCATED AT JAMB AND HINGE STILE AT 11" FROM TOP AND BOTTOM
EACH FASTENED WITH (2) #10 X 1/2" P FH SDS.

'CPB1' PULL IN BLOCK BY 'SECURISTYLE' LOCATED AT JAMB AND HINGE STILE AT MIDSPAN
EACH FASTENED WITH (2) #10 X 1/2" P FH SDS.

NOTE:
FOR CASEMENT INSTALLED WITHOUT OPERATOR
MAXIMUM PUSH OUT OPERATING FORCE < 5 LBS.
NO PINCHING OR TWIST OF WRIST IS REQUIRED
TO OPERATE.

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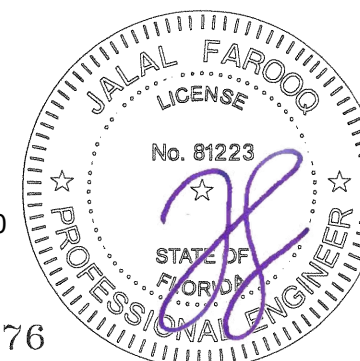
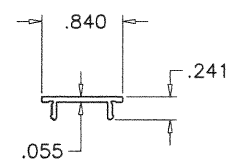
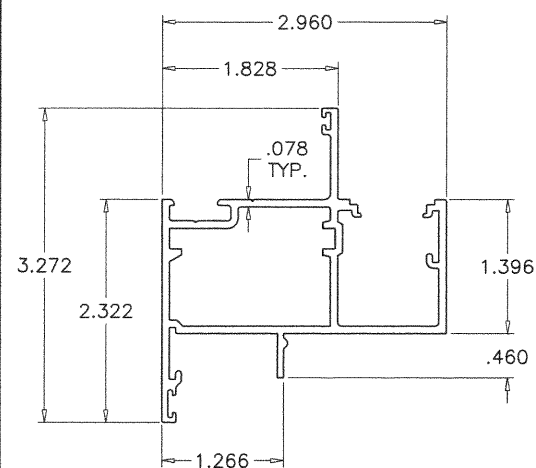
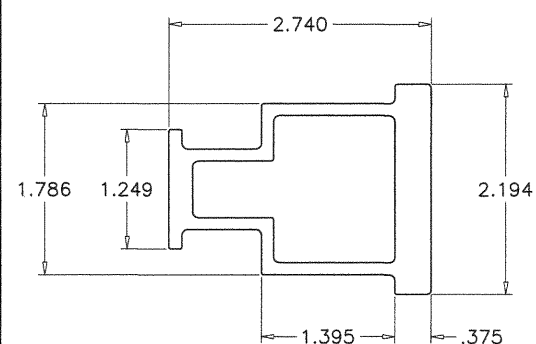
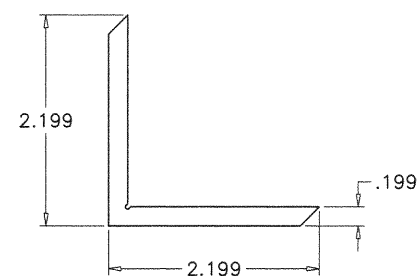
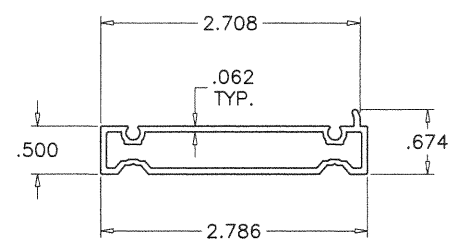
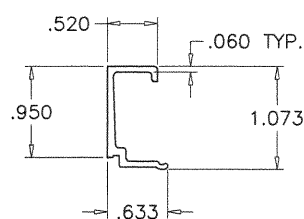
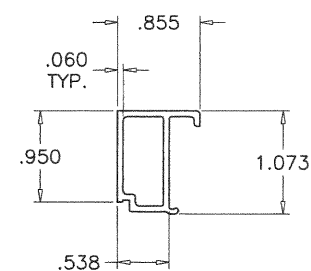
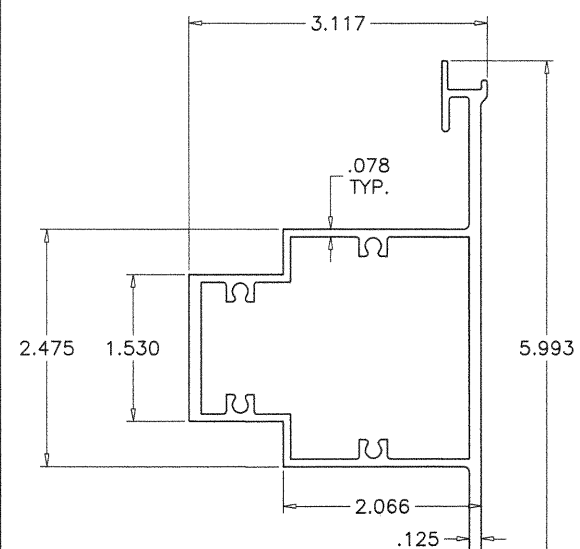
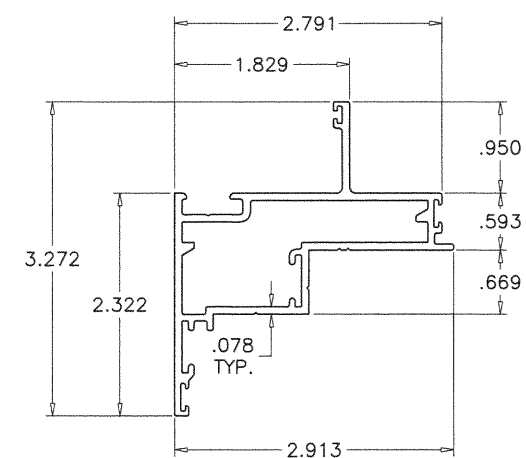
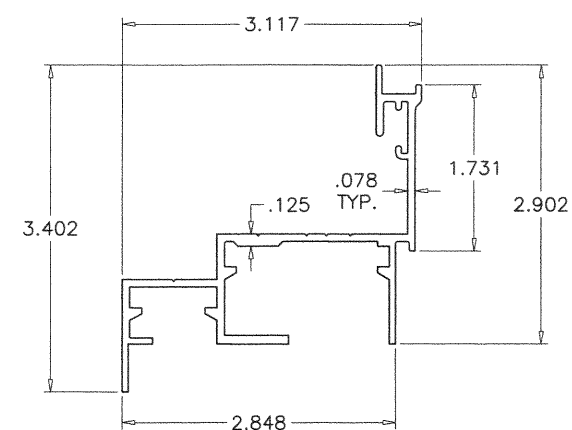
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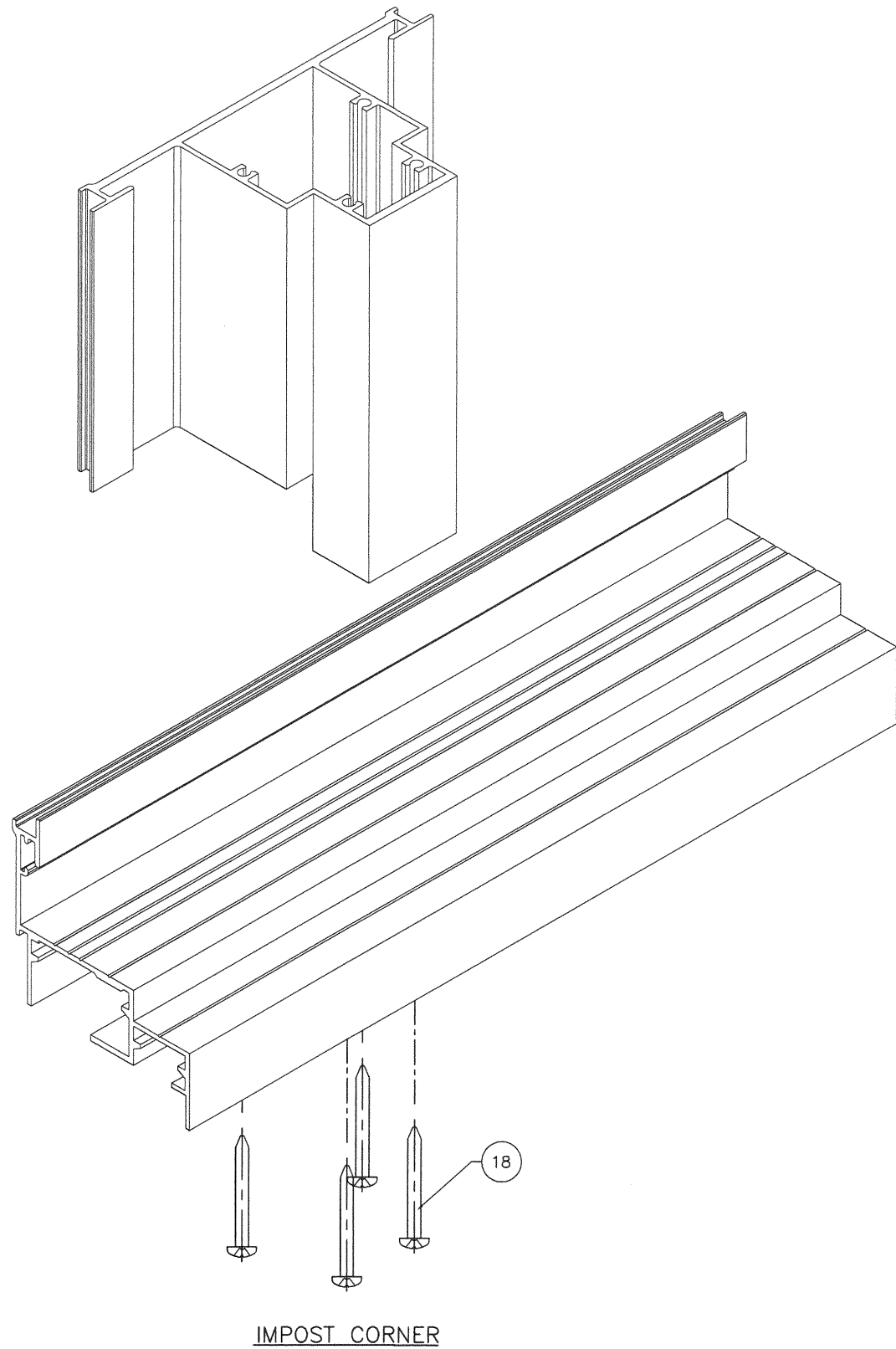
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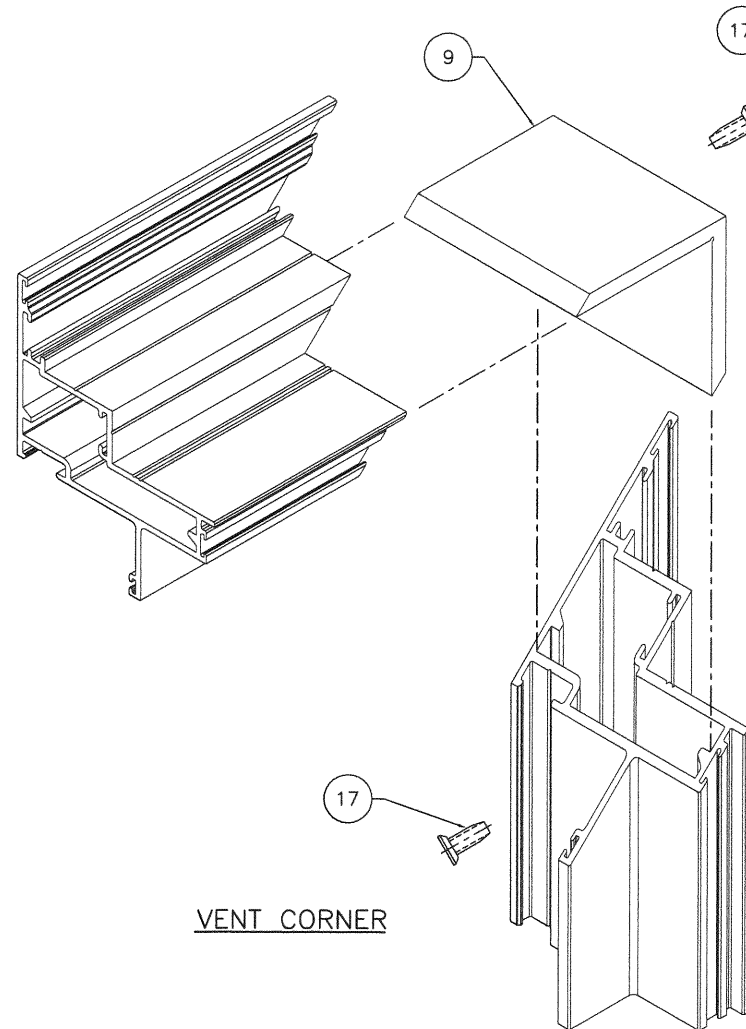
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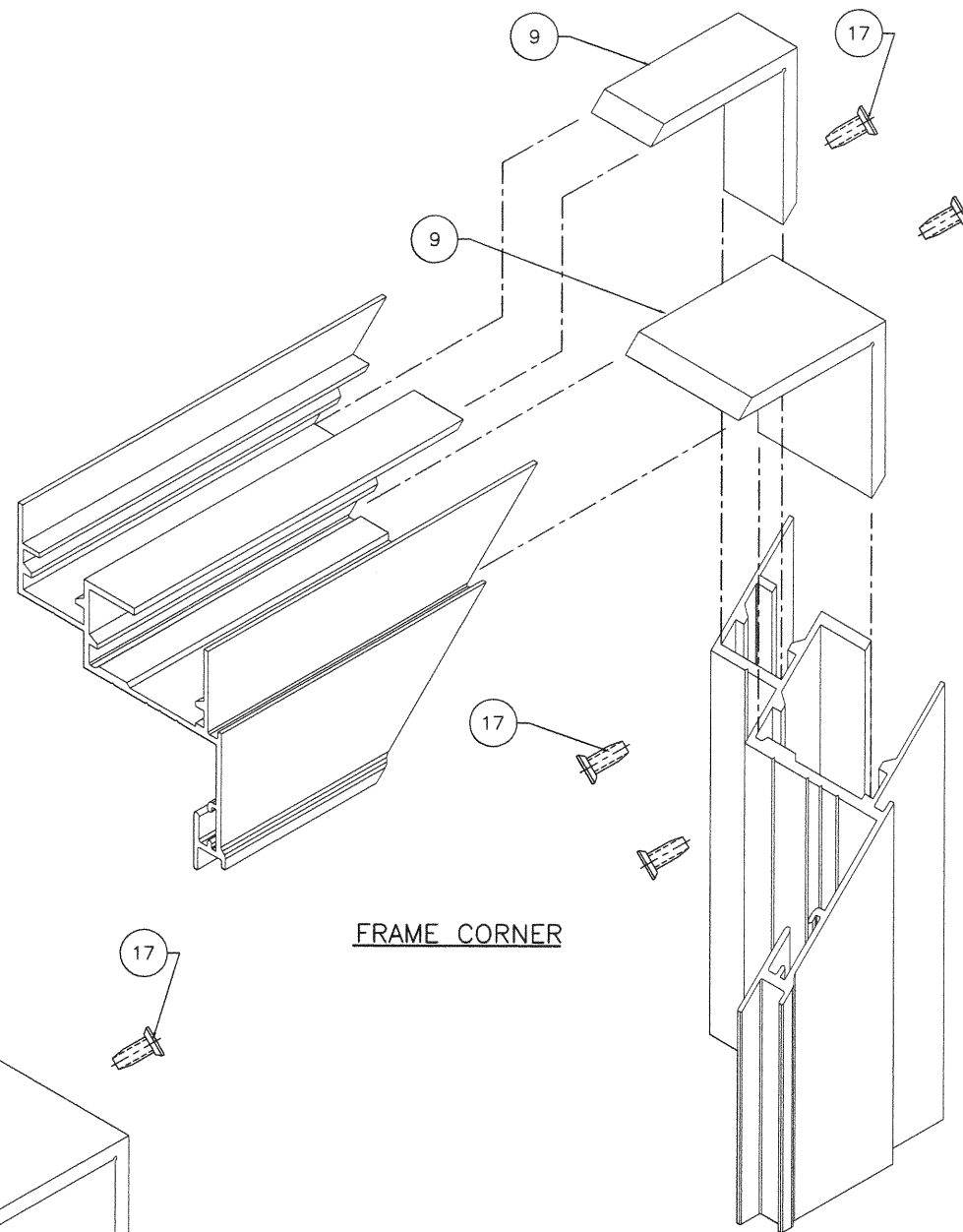
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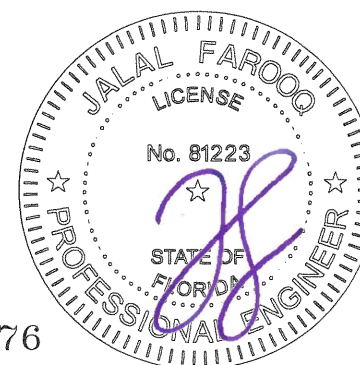
IMPOST CORNER



VENT CORNER



FRAME CORNER



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SERIES 600 ALUMINUM CASEMENT WINDOW (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
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revisions:

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

date: 04-15-19

scale: 1/2" = 1"

dr. by: TARIQ

chk. by:

drawing no.

19-28F

sheet 14 of 14