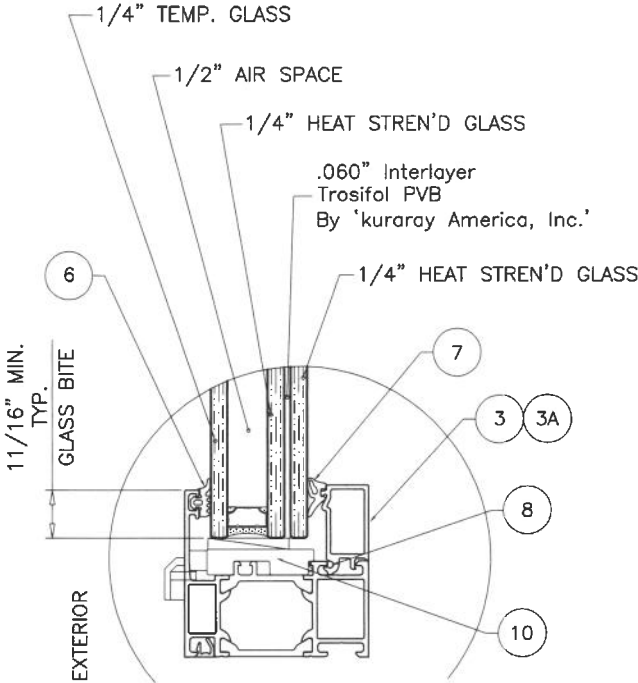


*** PRODUCTS DEPICTED ARE THE PROPERTY OF SCHUCO USA L.L.L.P
USE OF THIS PRODUCT REQUIRES WRITTEN AUTHORIZATION BY SCHUCO USA L.L.L.P.
TO THE BUILDING DEPARTMENT WHEN APPLYING FOR A PERMIT. ***



GLAZING DETAIL
1-5/16" OVERALL NOMINAL THK.

THIS SYSTEM IS RATED FOR SMALL MISSILE IMPACT.
F.B.C. APPROVED IMPACT RESISTANT SHUTTERS
REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

AWS 65 and AWS 75.SI+
Aluminum Fixed Window 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).

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.

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.

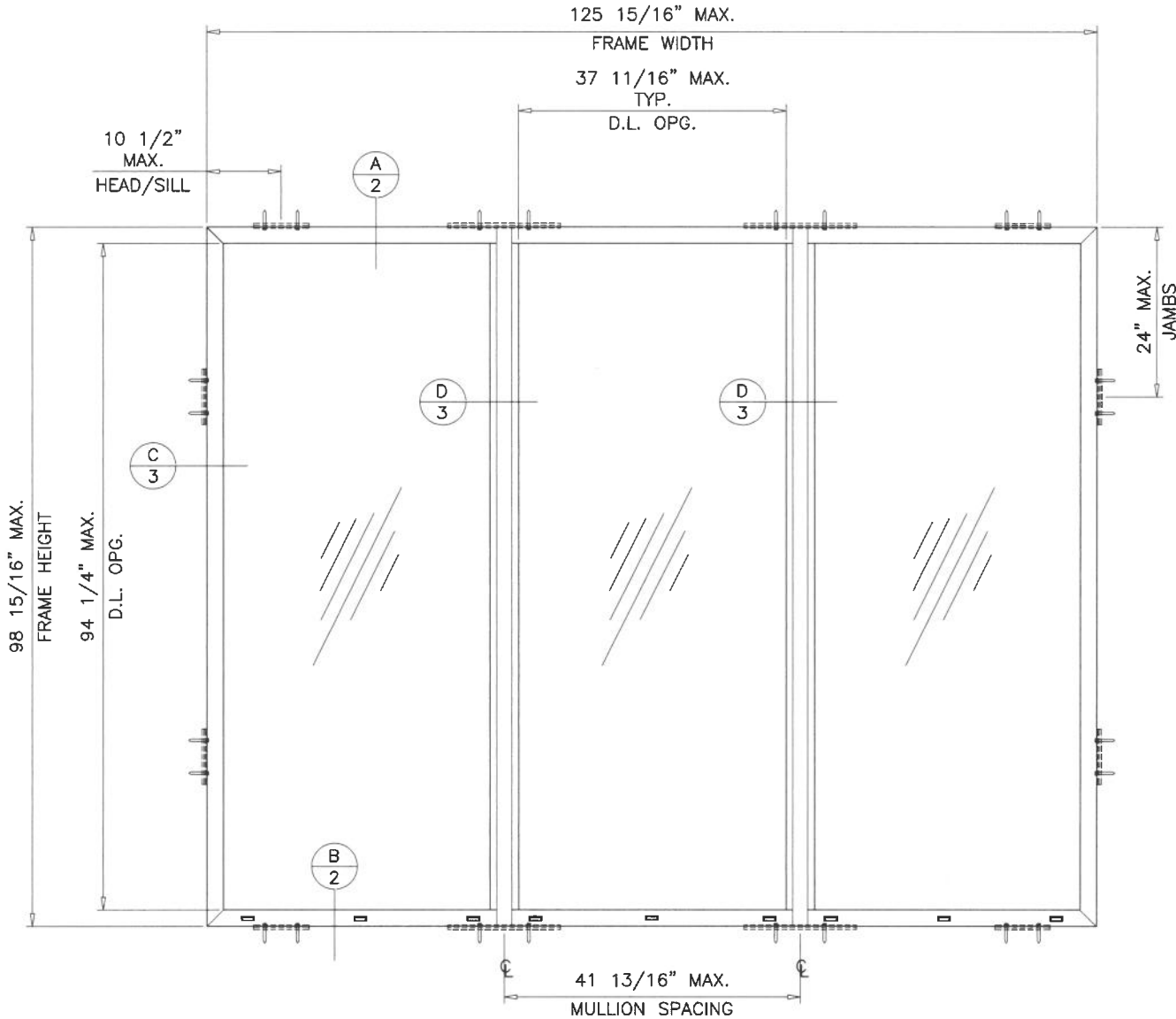
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

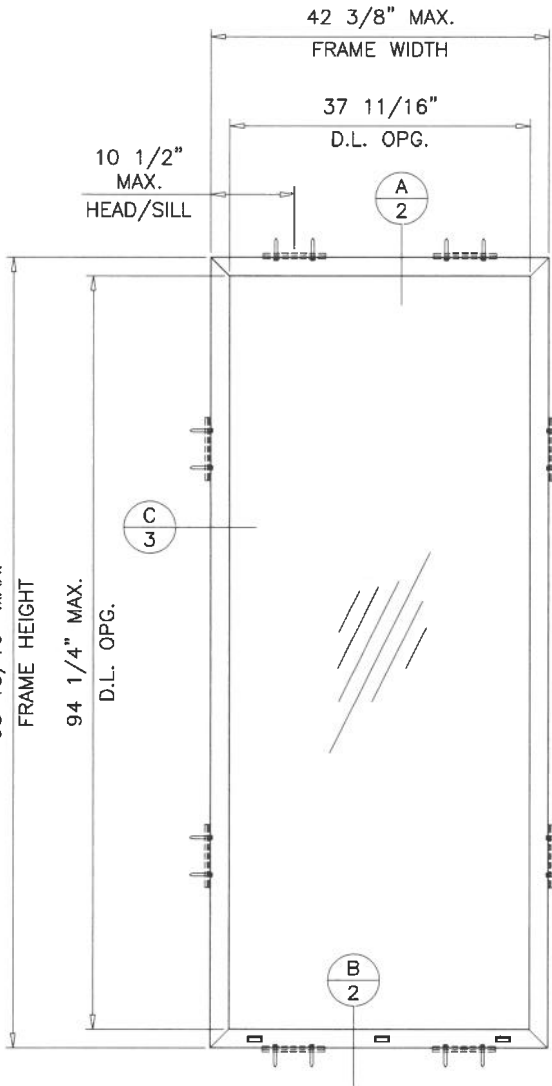
MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE.

LABELING TO COMPLY WITH SECTION 1709.9.2.

NOTE:
GLASS CAPACITIES ARE BASED ON
ASTM E1300-09 (3 SEC. GUSTS)



TYPICAL ELEVATION
TESTED UNIT



TYPICAL ELEVATION
SINGLE 'O' PANEL

MAXIMUM DESIGN LOAD RATING = + 50.1 PSF
- 50.1 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER)

INSUL. LAM. GLASS
SMALL MISSILE IMPACT

FL #29717

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.



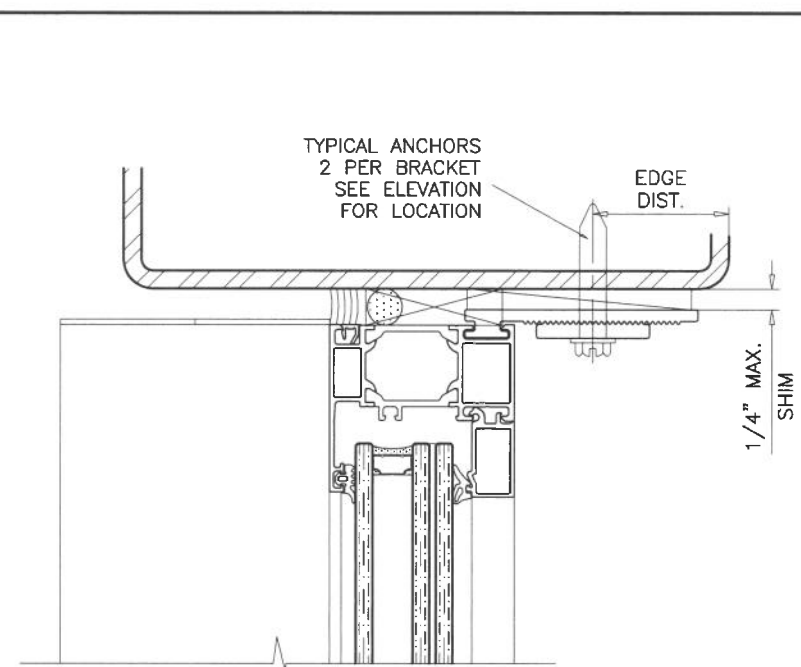
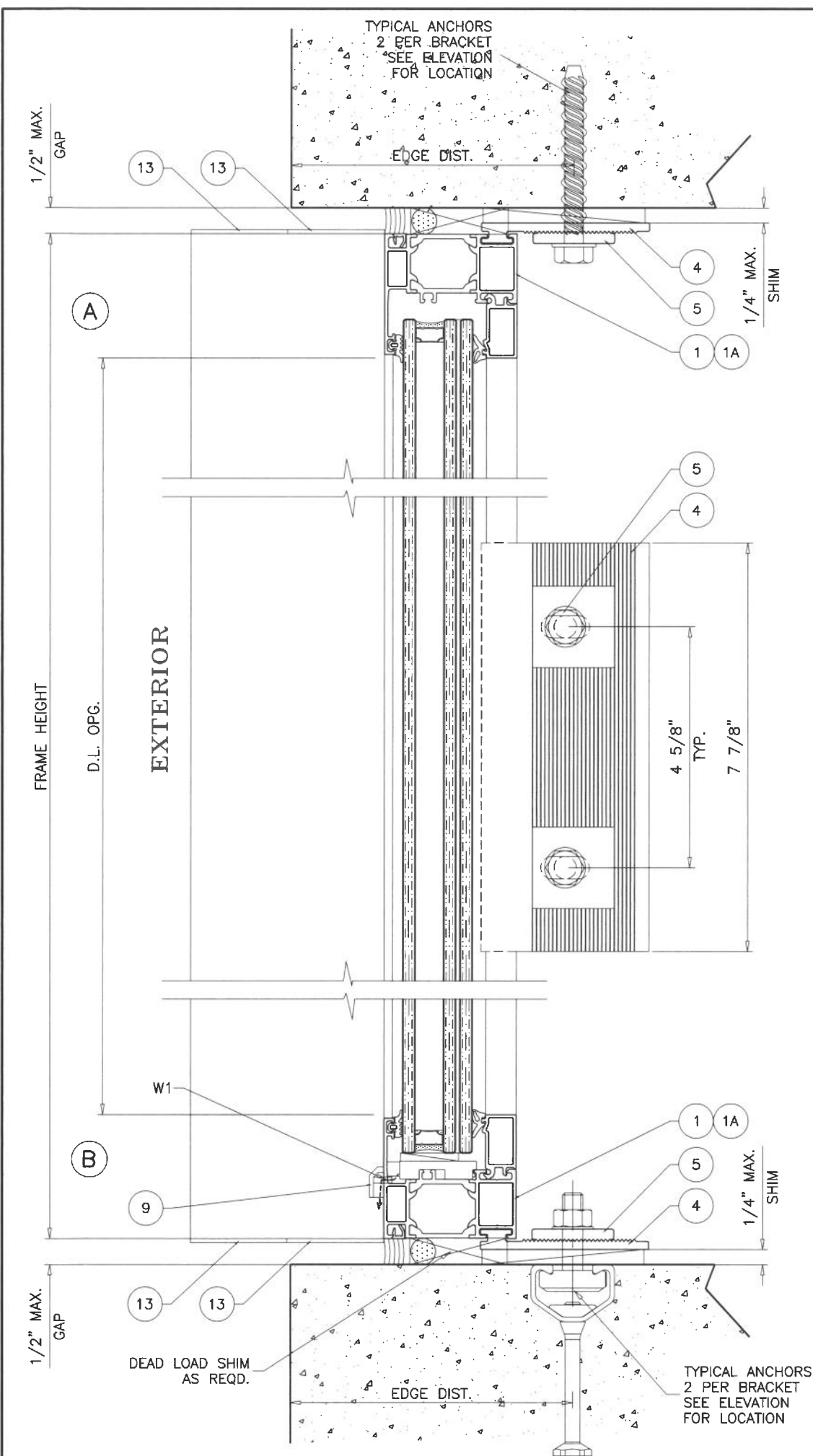
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afC
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
WWW.AFCENG.COM
FBPE #3538

AWS 65 & AWS 75.SI+ Alum. Fixed Window Sys. (S.M.I.)
Schuco USA L.L.L.P.
240 Pane Road
Newington, CT. 06111
Phone: (860) 666-0505 Fax: (860) 616-0188

revisions:		by description	
no	date		
08-20-24			
scale:	1/2"=1'-0"	dr. by:	TARIQ
chk. by:			
drawing no.		24-53F	
sheet 1 of 4			

STORE\24-53F-SCH



METAL STRUCTURE NOT BY 'SCHUCO'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS:

ANCHOR 'A'

INTO CONCRETE (3000 PSI MIN.)
3/8" DIA. SCREW-BOLT+ BY 'DEWALT'
3-1/4" MIN. EMBEDMENT
2-1/2" MIN. EDGE DISTANCE

ANCHOR 'B'

INTO CONCRETE (3000 PSI MIN.)
HAC-V CAST-IN CHANNEL ANCHORING SYSTEM BY 'HILTI'
WITH 3/8" DIA. CHANNEL BOLTS
(Fu = 100,000 PSI & Fy = 65,000 PSI)
2-3/4" MIN. EMBEDMENT
2-1/4" MIN. MIN. EDGE DISTANCE

ANCHOR 'C'

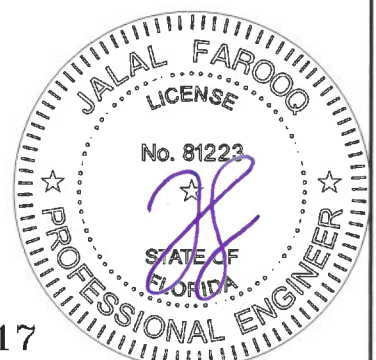
INTO A36 STEEL STRUCTURES (1/4" MIN. THK.)
3/8" DIA. MACHINE SCREWS (GRADE 5 CRS)
(Fu = 120,000 PSI & Fy = 92,000 PSI)
(3) THREADS TO EXTEND BEYOND METAL THICKNESS
1" MIN. MIN. EDGE DISTANCE

NOTE:
ANCHOR TORQUED AND OTHERWISE INSTALLED AS
PER MANUFACTURER SPECIFICATIONS.

WEEPHOLES:

W1 = 1"W X 3/8"H WEEPHOLES AT 3" FROM ENDS
AND AT CENTER WITH PLASTIC COVER
3 PER LITE

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STORE 24-53F-SCH

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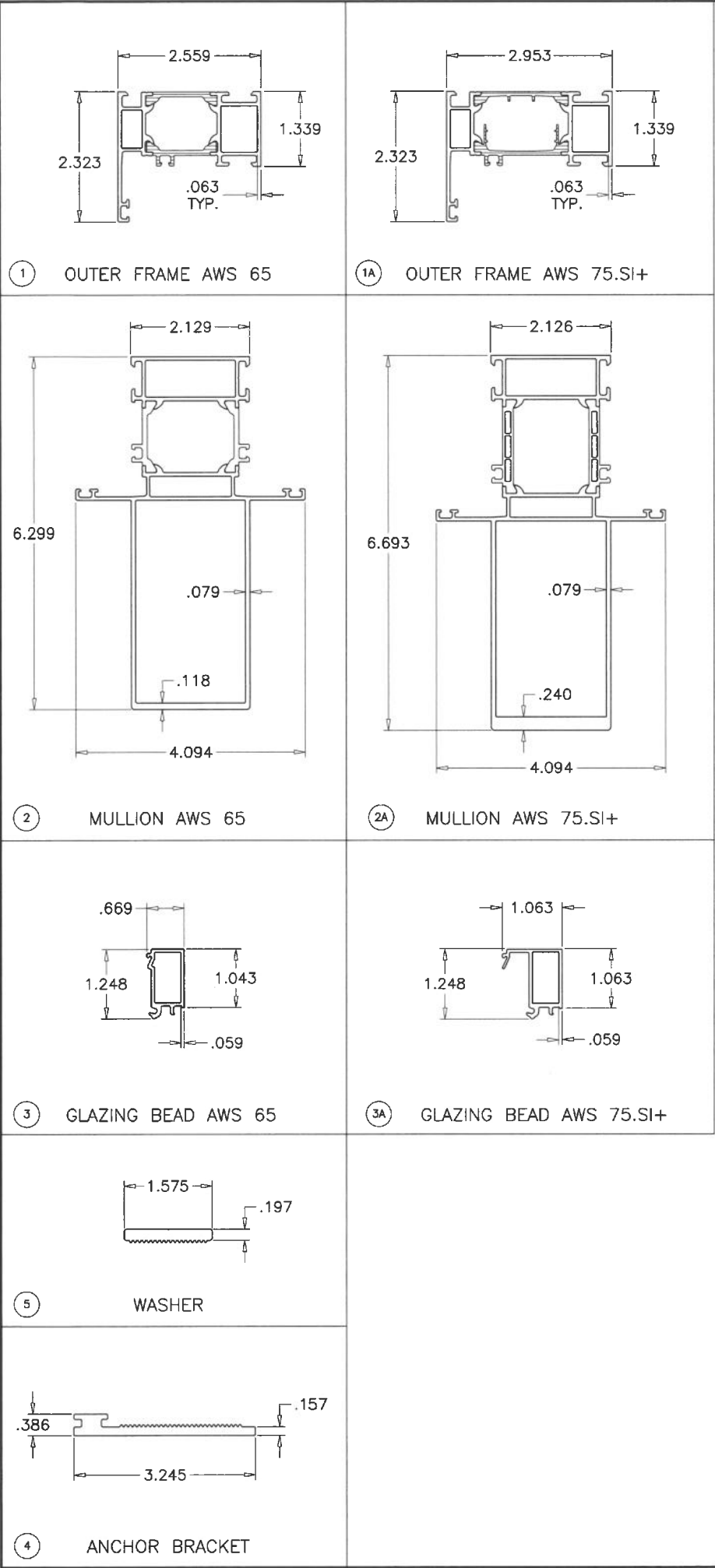
Schuco USA L.L.P.
240 Pane Road
Newington, CT. 06111

Revisions:

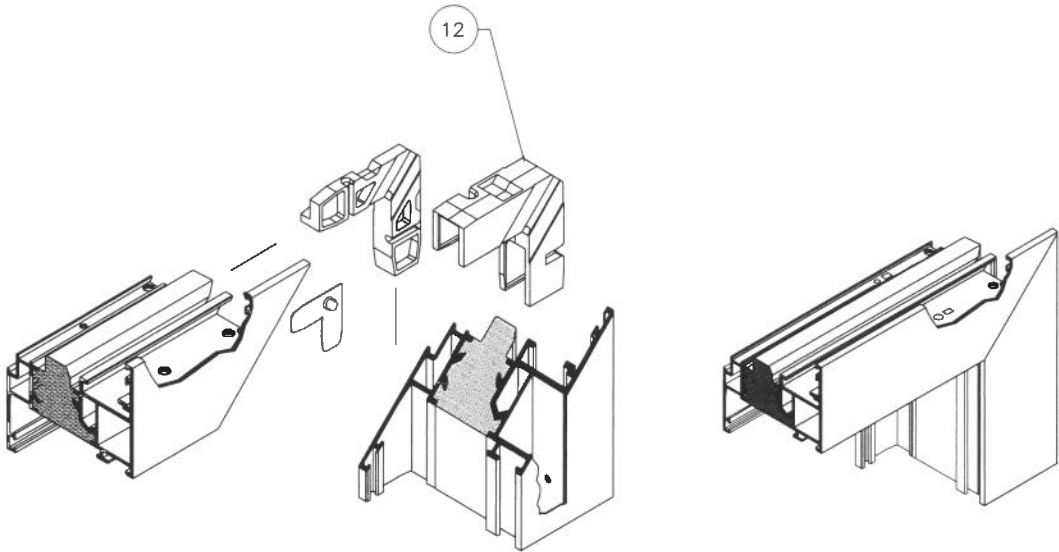
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date: 08-20-24
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
24-53F
sheet 2 of 4



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	363900	4	OUTER FRAME AWS 65	6063-T6/6060-T66
1A	382130	4	OUTER FRAME AWS 75.SI+	6063-T6/6060-T66
2	364890	AS REQD.	MULLION AWS 65	6063-T6/6060-T66
2A	367300	AS REQD.	MULLION AWS 75.SI+	6063-T6/6060-T66
3	489760	AS REQD.	GLAZING BEAD AWS 65	6063-T6/6060-T66
3A	467780	AS REQD.	GLAZING BEAD AWS 75.SI+	6063-T6/6060-T66
4	33884	AS REQD.	ANCHOR BRACKET	6005A-T6
5	351340	AS REQD.	WASHER	6005A-T6
6	224063	AS REQD.	EXTERIOR GLAZING GASKET	EPDM, DUROMETER 80±5 SHORE A
7	224360	AS REQD.	INTERIOR GLAZING GASKET	EPDM, DUROMETER 80±5 SHORE A
8	244058	AS REQD.	GASKET CORD INSERT	EPDM, DUROMETER 80±5 SHORE A
9	208694	3	DRAIN COVER CAP	
10	288167	2/ LITE	GLAZING SUPPORT	POLYAMIDE, DUROMETER 80±5 SHORE A
11	244516	AS REQD.	PVC-U FILLER PROF SW	PVC
12	236198	AS REQD.	CORNER KEY	6063-T6/6060-T66
13	218181	AS REQD.	MULLION END CAP	6063-T6/6060-T66



INSULBARS

MATERIAL = POLYAMIDE
TENSILE STRENGTH = 13031 PSI
RATE OF BURN = .752 IN./MIN.
SELF IGNITION TEMP. = 793° F
FLASH IGNITION TEMP. = 781°C
SMOKE DENSITY = 1.63

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drawing no.
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sheet 4 of 4