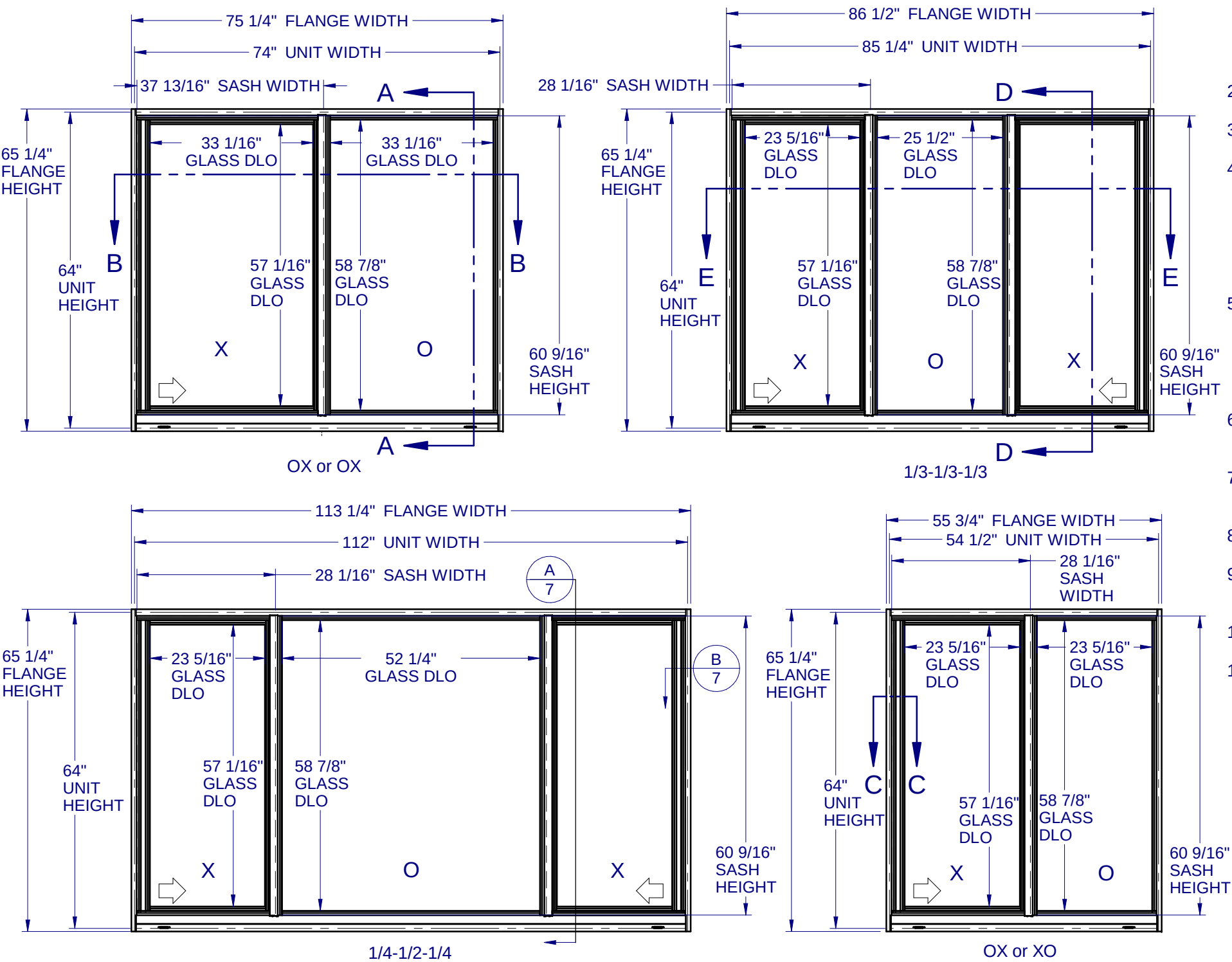


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- GENERAL NOTES:
- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AND IS RATED FOR WIND ZONE 4 MISSILE LEVEL D IMPACT USE AS DEFINED IN ASTM E 1996 PER THE FBC.
 - 2. GLAZING DETAILS: (SEE SHEET 2)
 - 3. CONFIGURATIONS: "OX", "XO", "XOX"
 - 4. DESIGN PRESSURES:
 - NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E-1300-04e01/09.
 - POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE, AND GLASS TABLES ASTM E-1300-04e01/09.
 - 5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 7 FOR INSTALLATION DETAIL. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
 - 6. PRODUCTS APPROVED FOR IMPACT RESISTANCE. SHUTTERS ARE NOT REQUIRED.
 - 7. ALL FRAMES AND VENTS ARE SCREWED TOGETHER. SMALL JOINT SEALANT USED AT ALL FRAME JOINTS.
 - 8. SERIES / MODEL DESIGNATION HS-3200 (A.K.A. HS-7700)
 - 9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
X = OPERABLE SASH, O = FIXED SASH
 - 10. SECTION CALLOUTS APPLY TO ALL CONFIGURATIONS.
 - 11. WEEP SLOTS = 1/4" x 1" LOCATED 6" FROM BOTH ENDS.

Lucas Turner
2023.09.20
16:46:30
-05'00'

TABLE OF CONTENTS

GENERAL NOTES & ELEVATIONS.....1
GLAZING DETAILS.....2
SECTION VIEWS.....3-4
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ANCHOR SCHEDULE & NOTES.....6
INSTALLATION DETAILS.....7

CONFIG.	MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
XO w/SIDE LATCH	54-1/2" x 64"	+/- 50 PSF	LARGE MISSILE IMPACT
XO	74" x 64"	+/- 60 PSF	
XOX 1/3 1/3 1/3	85-1/4" x 64"	+/- 50 PSF	
XOX 1/4 1/2 1/4	112" x 64"		

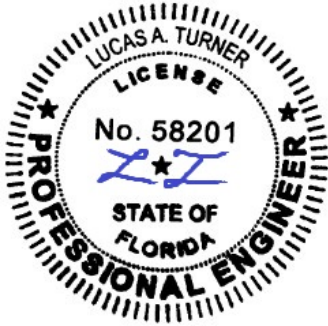


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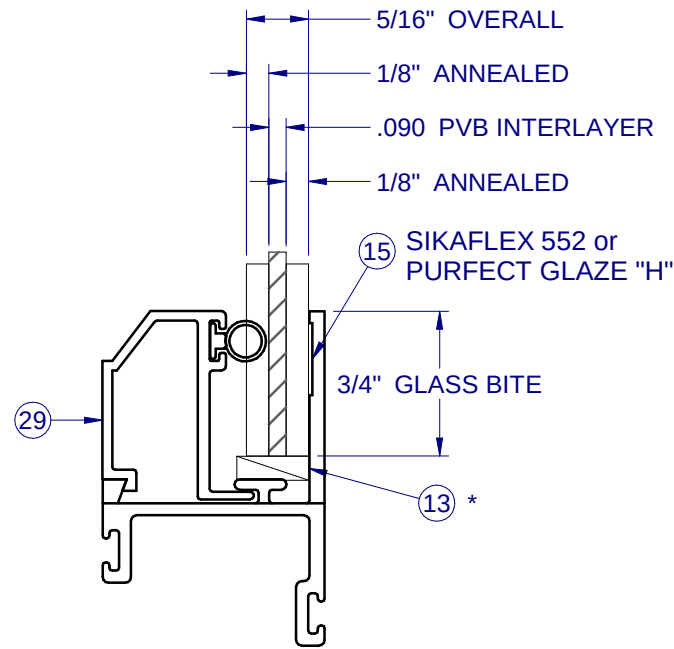
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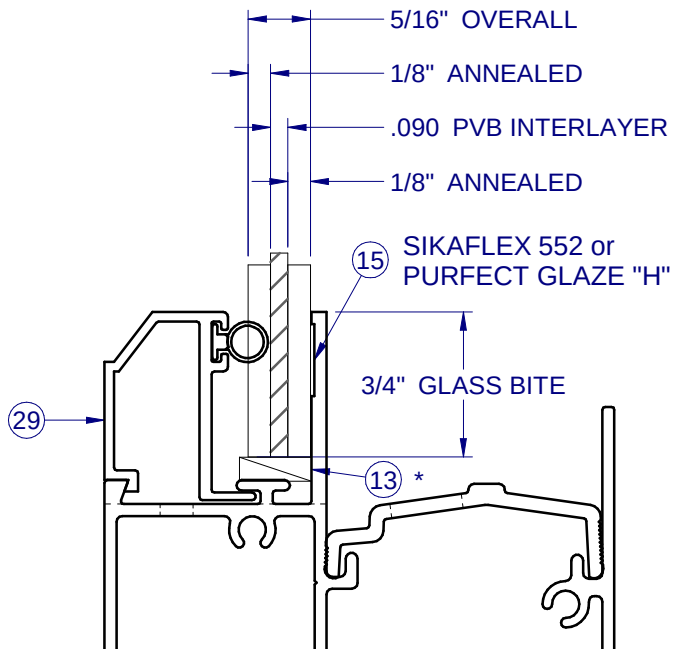
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GENERAL NOTES AND
ELEVATIONS

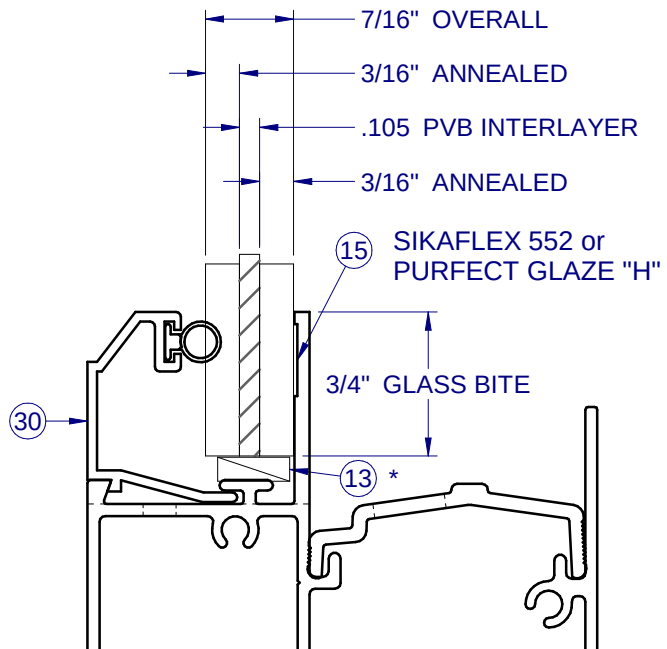
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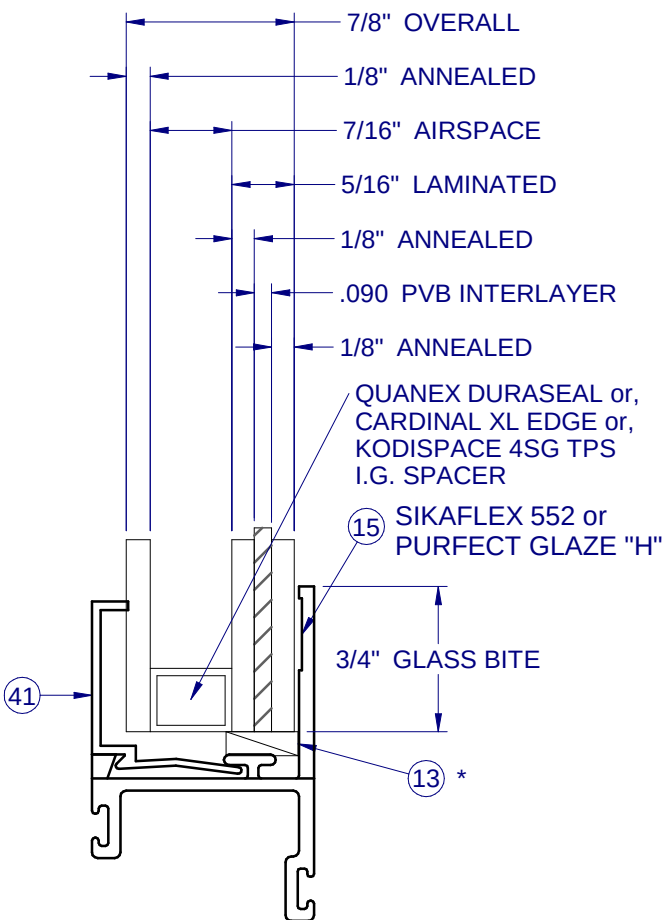
GLASS TYPE A - SASH



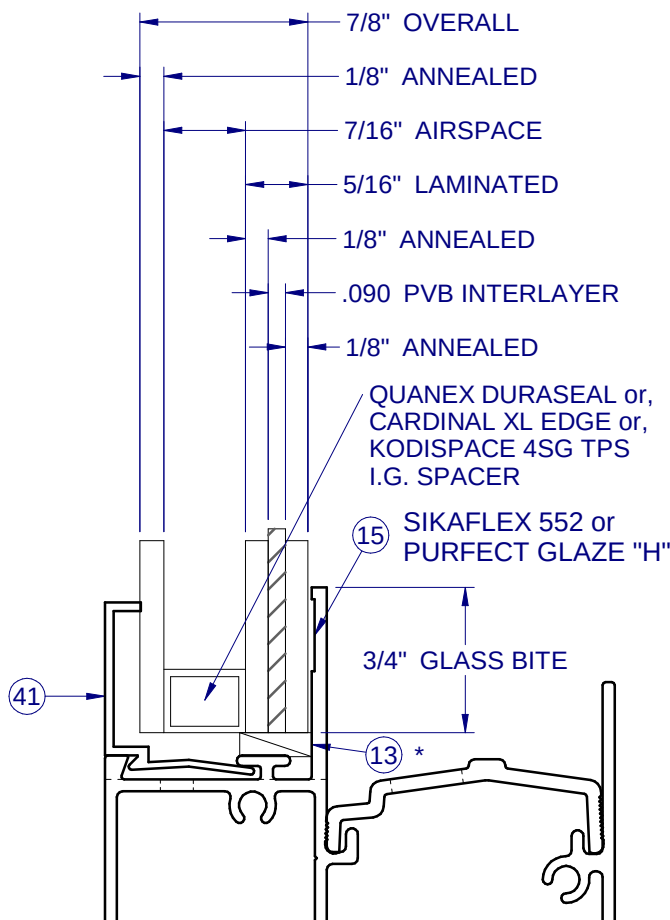
GLASS TYPE A - FIXED XO



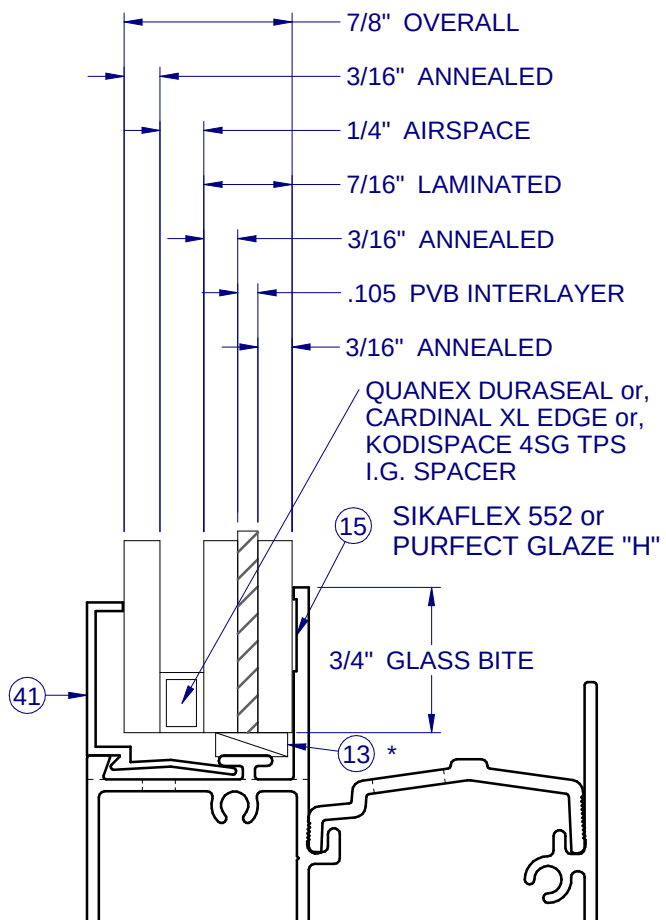
GLASS TYPE B - FIXED XO



GLASS TYPE C - SASH



GLASS TYPE C - FIXED XO



GLASS TYPE D - FIXED XO

* SETTING BLOCKS PER FBC 2411.3.3.1



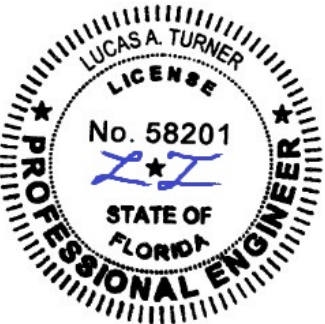
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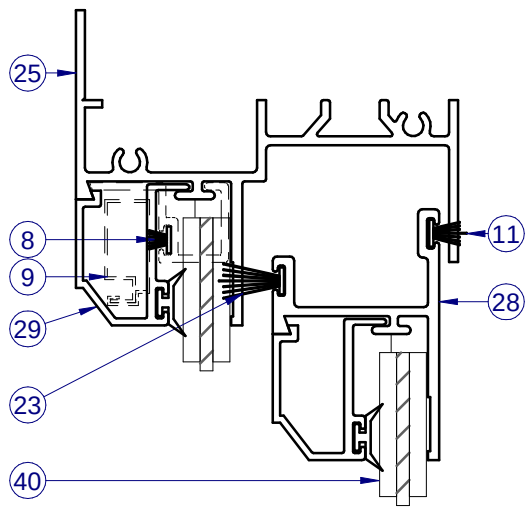
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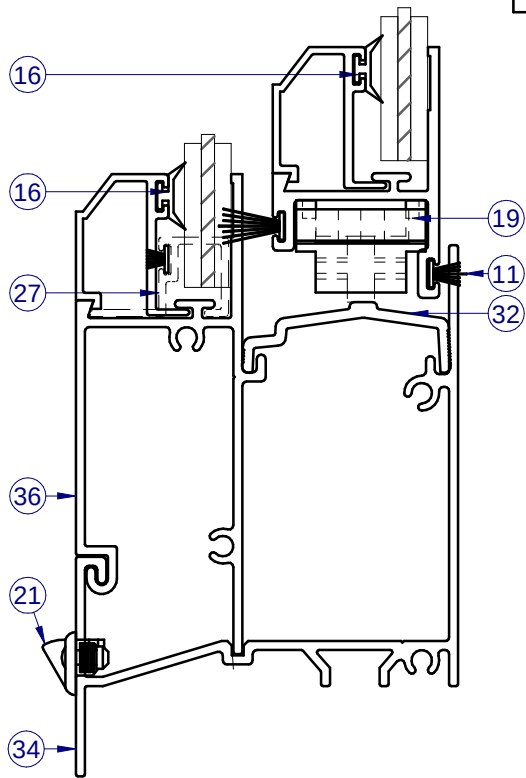
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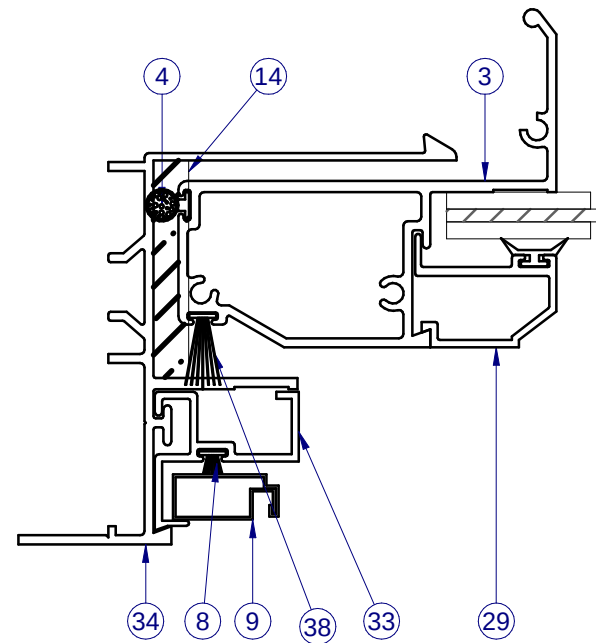
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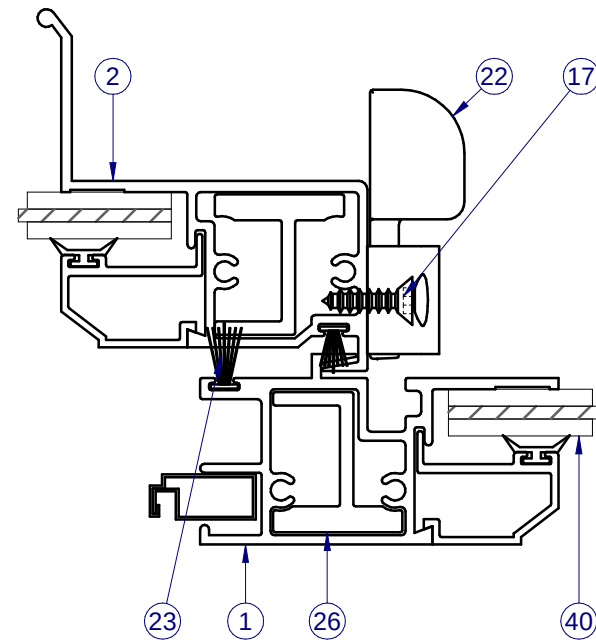
INTERIOR



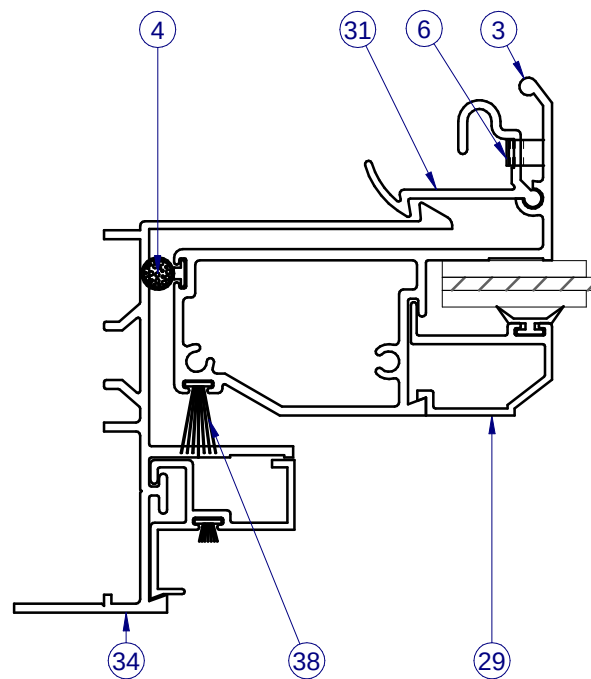
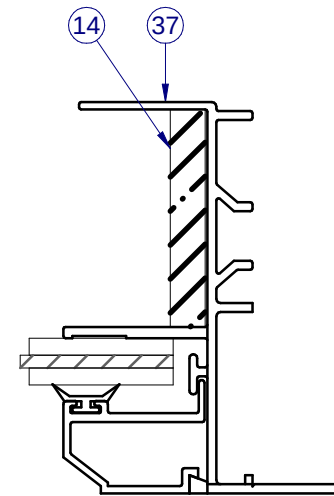
SECTION VIEW A-A



INTERIOR



SECTION VIEW B-B



SECTION VIEW C-C
SIDE LATCH OPTION
SIZE AND DP RESTRICTED, SEE SHEET 1

ITEMS NOT SHOW FOR CLARITY:
5, 6, 10, 12, 15, 18, 24



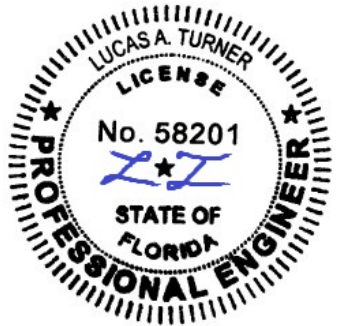
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SHEET DESCRIPTION:

SECTION VIEWS
XO

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DWG #:

CWS-774

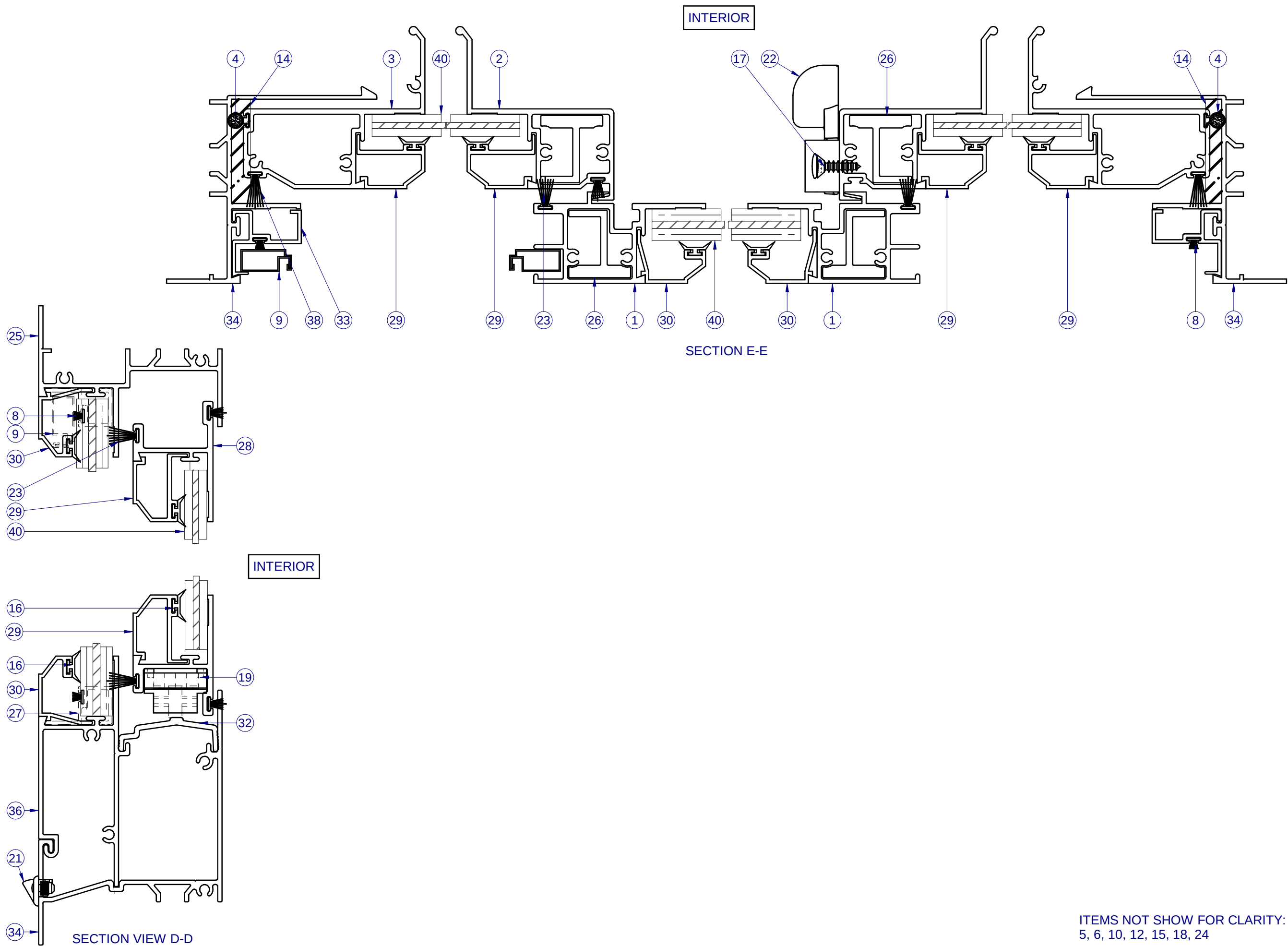
REV.:

E

SCALE:

1:1

SHEET
3 OF 7



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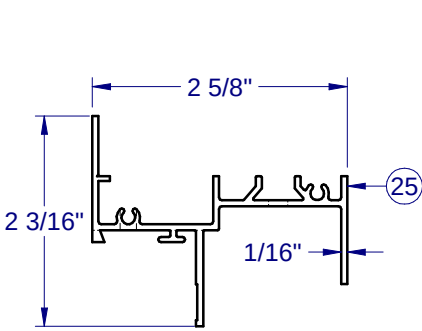
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**SECTION VIEWS
XOX**

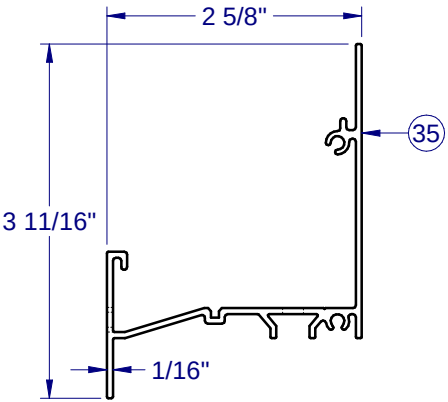
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ITEMS NOT SHOW FOR CLARITY:
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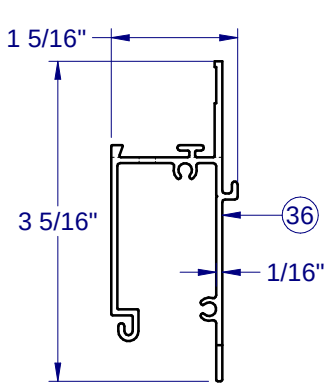
PARTS LIST			
ITEM	PART #	DESCRIPTION	MATERIAL
1	H-1934	FIXED MEETING RAIL	ALUMINUM
2	H-1946	SASH MTG. RAIL, SASH	ALUMINUM
3	H-1947	SASH LIFT RAIL, SASH	ALUMINUM
4	P-3018	WSTP, (.300 x .187back, Bulb)	
5	P-4755	SCREEN CORNER KEY	STEEL
6	P-3195	SPRING, NO HOLE TENSION C-84	STEEL
8	P-3309	Wstp., .210 x .187 back FinSeal	
9	P-3218	SCREEN FRAME (5/16")	ROLLFORM
10	P-5576	Screen Spline, .125" Black PE Ribbed	
11	P-3305	WSTP (.270 x .187back)	
12	P-4754	SCREEN CORNER KEY	NYLON
13	P-5637	SETTING BLOCK(1/8" x 3/8" x 2")	RUBBER
14	P-3398	Open Cell Pad, Acrylic Window	
15		Purfect Glaze "H" or Sikaflex 552	
16	P-5317	Glazing Bead Spacer (3700 and 7700)	
17	P-3515	#8 X 5/8" PHIL FLAT WHT	STEEL
18	P-4769	26"-BetterVue Insect Screen, 18x16	
19	P-5258	ROLLER ASSM, TANDEM (7700)	NYLON
20	P-4144	#8 X 1 PAN PHIL W/ 1/4" LEAD	STEEL
21	P-4479	WEEP HOLE COVER	NYLON
22	P-4707	SASH MTG RAIL LOCK	NYLON
23	P-4959	WSTP (.420 x .187back)	
24	P-5289/90	SASH END CAP	NYLON
25	S-1933	HEAD	KEYMARK
26	S-1935	REINFORCEMENT	ALUMINUM
27	S-1936	SCREEN SUPPORT	ALUMINUM
28	S-1939	TOP/BTM RAIL, SASH	ALUMINUM
29	S-2133	GLAZING BEAD, 5/16" Lami, 3100-	ALUMINUM
30	S-1949	GLAZING BEAD - 7/16	ALUMINUM
31	S-1956	SPRING SIDE LATCH	ALUMINUM
32	S-1959	ROLLER TRACK	ALUMINUM
33	S-1960	SCREEN CATCH	ALUMINUM
34	S-1962	JAMB, LOCK	ALUMINUM
35	S-1966	SILL, BOTTOM	ALUMINUM
36	S-1967	SILL, TOP	ALUMINUM
37	S-1957	JAMB, FIXED	ALUMINUM
38		WSTP (.530 x .187back)	
40	GLASS	SEE SHEET 2	
41	P-6244	GLAZING BEAD, ICON, I.G., PVC	PVC



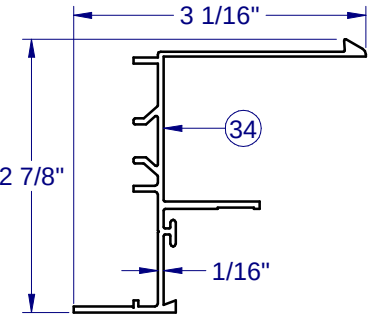
HEAD - 1933



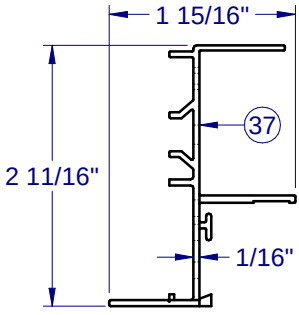
SILL, BOTTOM - 1966



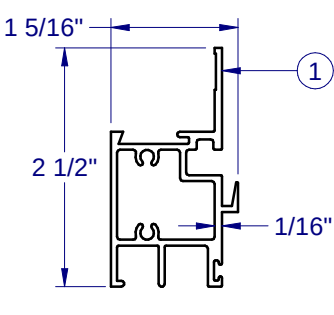
SILL, TOP - 1967



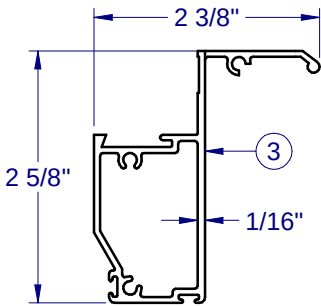
LOCK JAMB - 1962



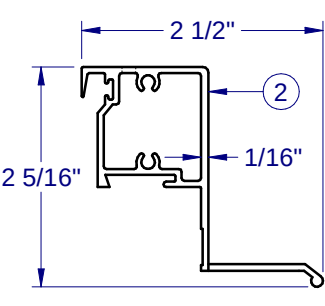
FIXED JAMB - 1957



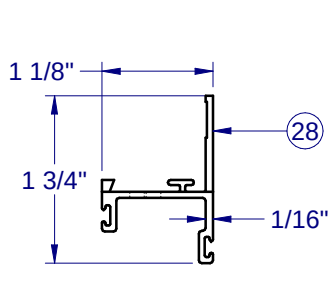
FIXED MTG RAIL - 1934



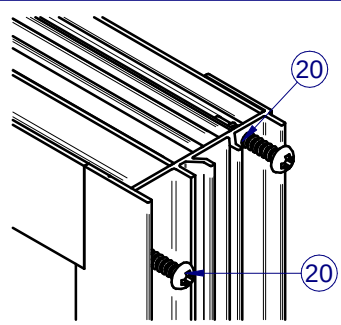
SASH LIFT RAIL - 1947



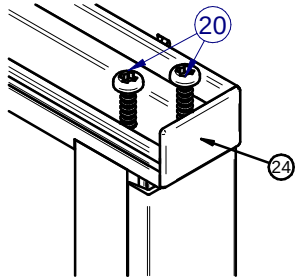
SASH MTG RAIL - 1946



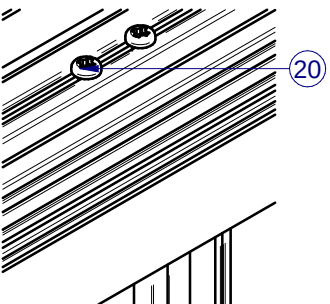
SASH TOP/BTM RAIL - 1939



FRAME CORNER CONSTRUCTION



SASH CORNER CONSTRUCTION



MEETING RAIL ATTACHMENT
SMALL JOINT SEAM SEALANT



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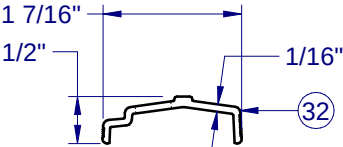
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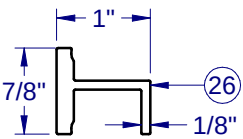
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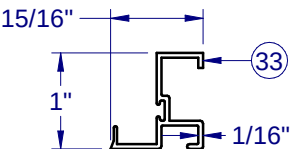
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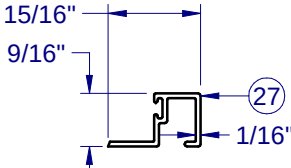
ROLLER TRACK - 1959



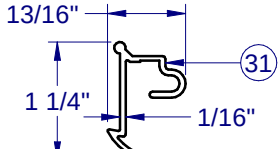
REINF. - 1935



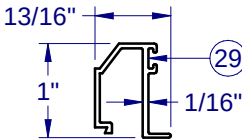
SCREEN CATCH - 1960



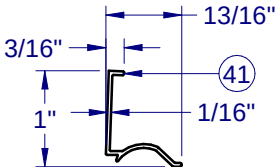
SCREEN SUPPORT - 1936



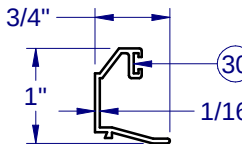
SPRING SIDE LATCH - 1956



5/16" GLAZE BEAD - 2133



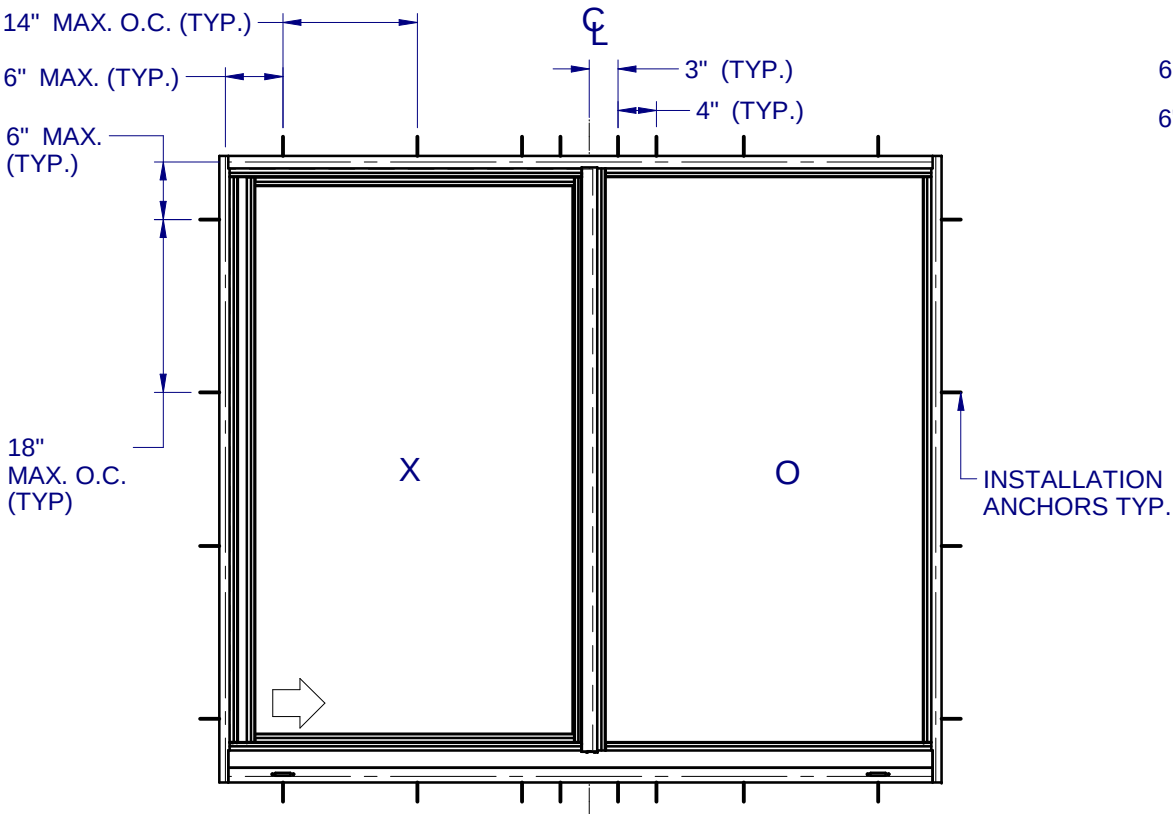
PVC 7/8" GLAZE BEAD - 6244



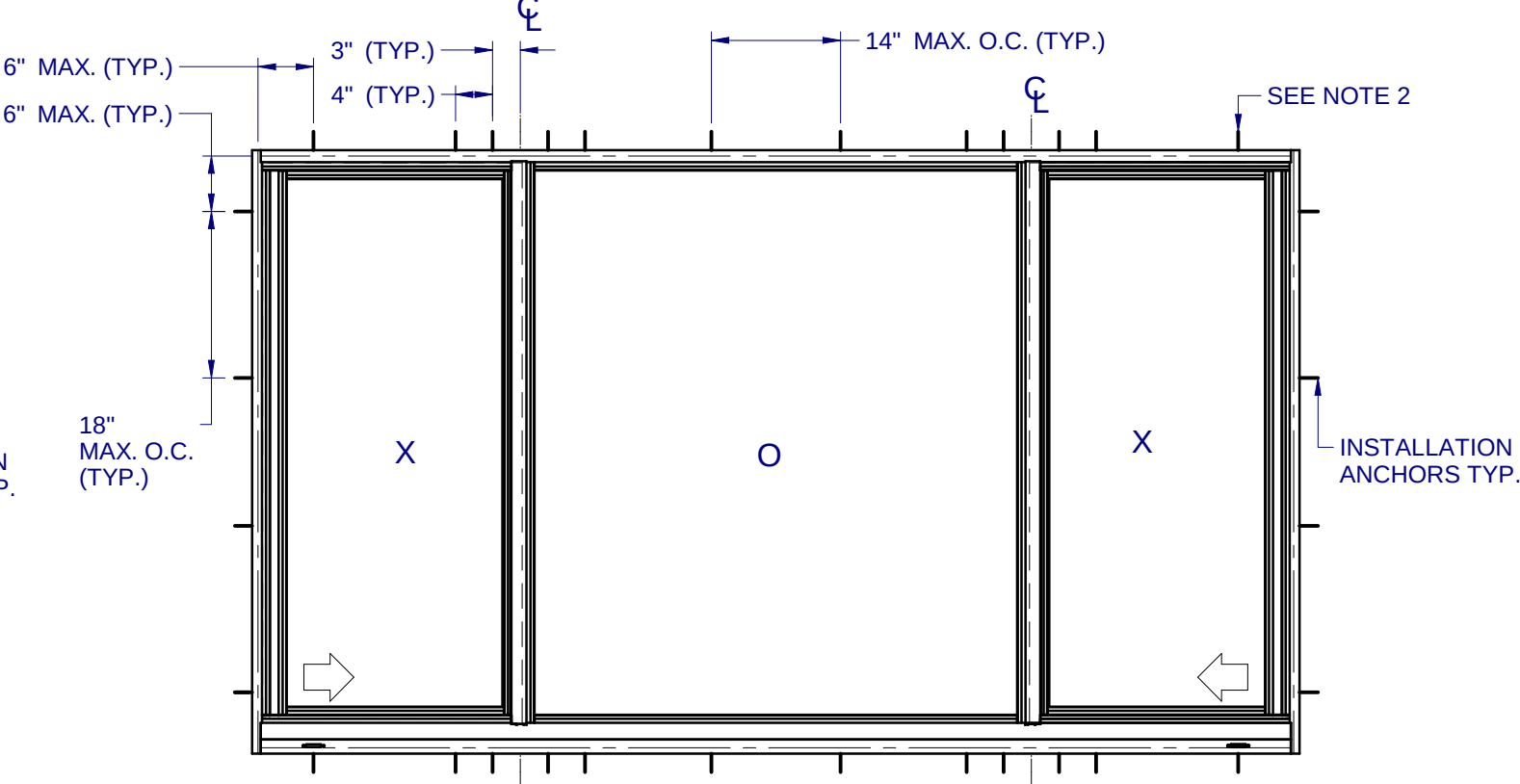
7/16" GLAZE BEAD - 1949

LINE ITEMS NOT USED:
39

NOTE: ALUMINUM PROFILES ARE 6063-T6 UNLES OTHERWISE NOTED.



ANCHOR LAYOUT - (FLANGE)



ANCHOR LAYOUT - (FLANGE)

- NOTES:
1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION. SILL ANCHOR SPACING SAME AS HEAD.
 2. SHIM AS REQ AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER. WOOD SHIMS ARE NOT ALLOWED.
 3. ANCHOR TYPE, SIZE, SPACING AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS, SEE TABLE 1, SHEET 7.
 4. ALL INSTALLATION ANCHORS MUST BE MADE OF OR PROTECTED WITH A CORROSION RESISTANT MATERIAL OR COATING. DISSIMILAR METALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTION.
 5. INSTALLATION ANCHORS SHALL BE IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM SPECIFIED IN TABLE 1, SHEET 7.
 6. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, INTO SUBSTRATE. INSTALLATIONS TO SOLID CONCRETE OR GROUT-FILLED CMU MAY INCLUDE BUT DO NOT REQUIRE 1X WOOD BUCKS BETWEEN THE PRODUCT AND THE SUBSTRATE. INSTALLATIONS TO HOLLOW CMU REQUIRE THE USE OF 1X BUCKS BETWEEN THE PRODUCT AND SUBSTRATE.
 7. A MINIMUM CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL FASTENERS: 3" FOR SOLID CONCRETE, 3-9/16" FOR CMU, 1" FOR WOOD AND METAL.
 8. WOOD OR MASONRY OPENINGS, BUCKS AND BUCK FASTENERS SHALL BE PROPERLY DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE1, SHEET 7. CONCRETE AND MASONRY SUBSTRATES MAY NOT BE CRACKED.
 9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS FOLLOWING THE CURRENT VERSION OF THE REFERENCE DOCUMENTS:
FMA/AAMA 100(FIN WINDOWS), FMA/AAMA 200(FLANGE WINDOWS), FMA/WDMA 250(BOX WINDOWS), FMA/AAMA/WDMA 300(EXTERIOR DOORS)



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SHEET DESCRIPTION:
**ANCHOR SCHEDULE AND
NOTES**

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1:20	6 OF 7

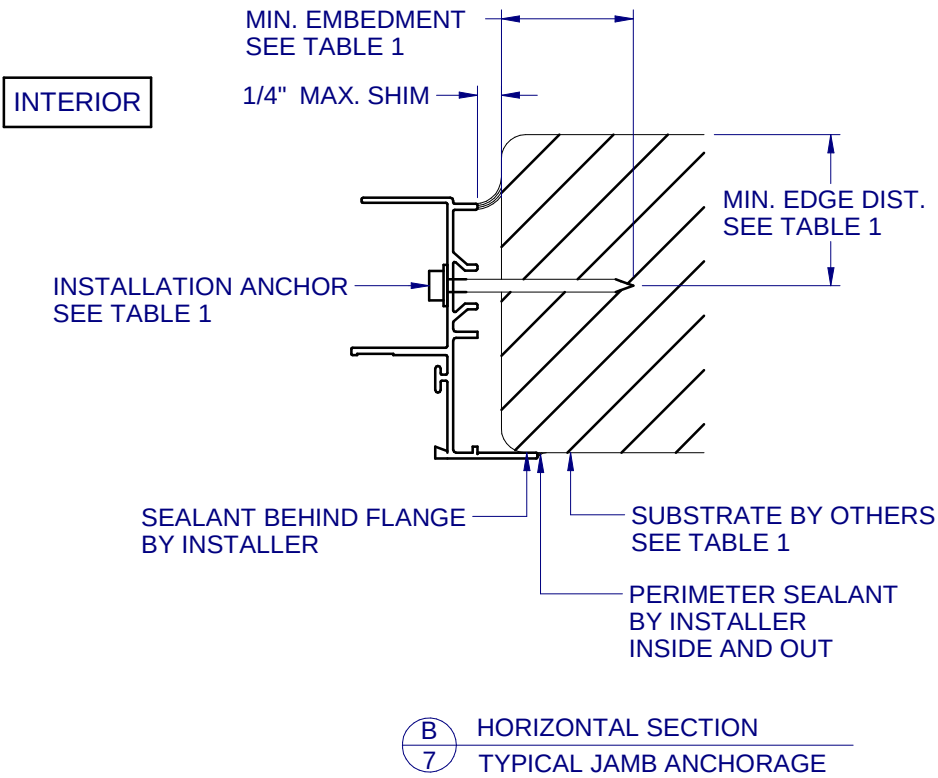
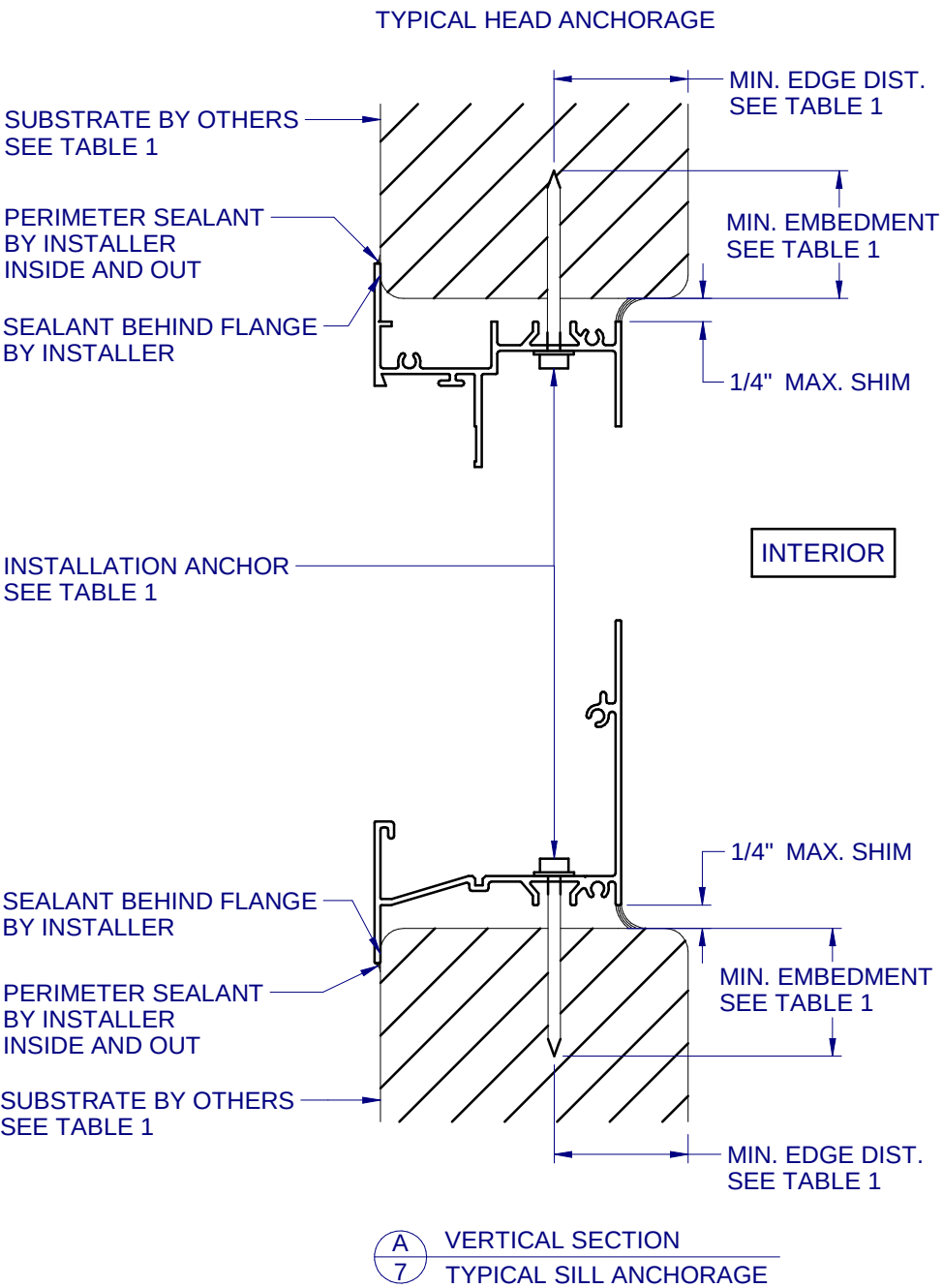


TABLE 1: APPROVED INSTALLATION FASTENERS			
SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1-1/8"
HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
CONCRETE (3.05 KSI MIN.)	3/16" DEWALT ULTRACON+	1-3/4"	1"
HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	3/16" DEWALT ULTRACON+	1-3/4"	2-1/2"
2X MIN. SOUTHERN PINE (G=0.55)	3/16" ITW TAPCON OR DEWALT ULTRACON+	1-3/8"	7/8"
2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN)	#10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL THREAD THRU 0.060"	7/16"
1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.)	#10 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL THREAD THRU 0.125"	7/16"

**3200 ALUM.
HORZ. SLIDER
IMPACT**

PROPRIETARY AND CONFIDENTIAL

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FLORIDA APPROVAL NO.:
15814



9/20/2023

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SHEET DESCRIPTION:

INSTALLATION DETAILS

DRAWN BY: MCS	DATE: 9/14/2023
DWG #: CWS-774	REV.: E
SCALE: 1:2	SHEET 7 OF 7