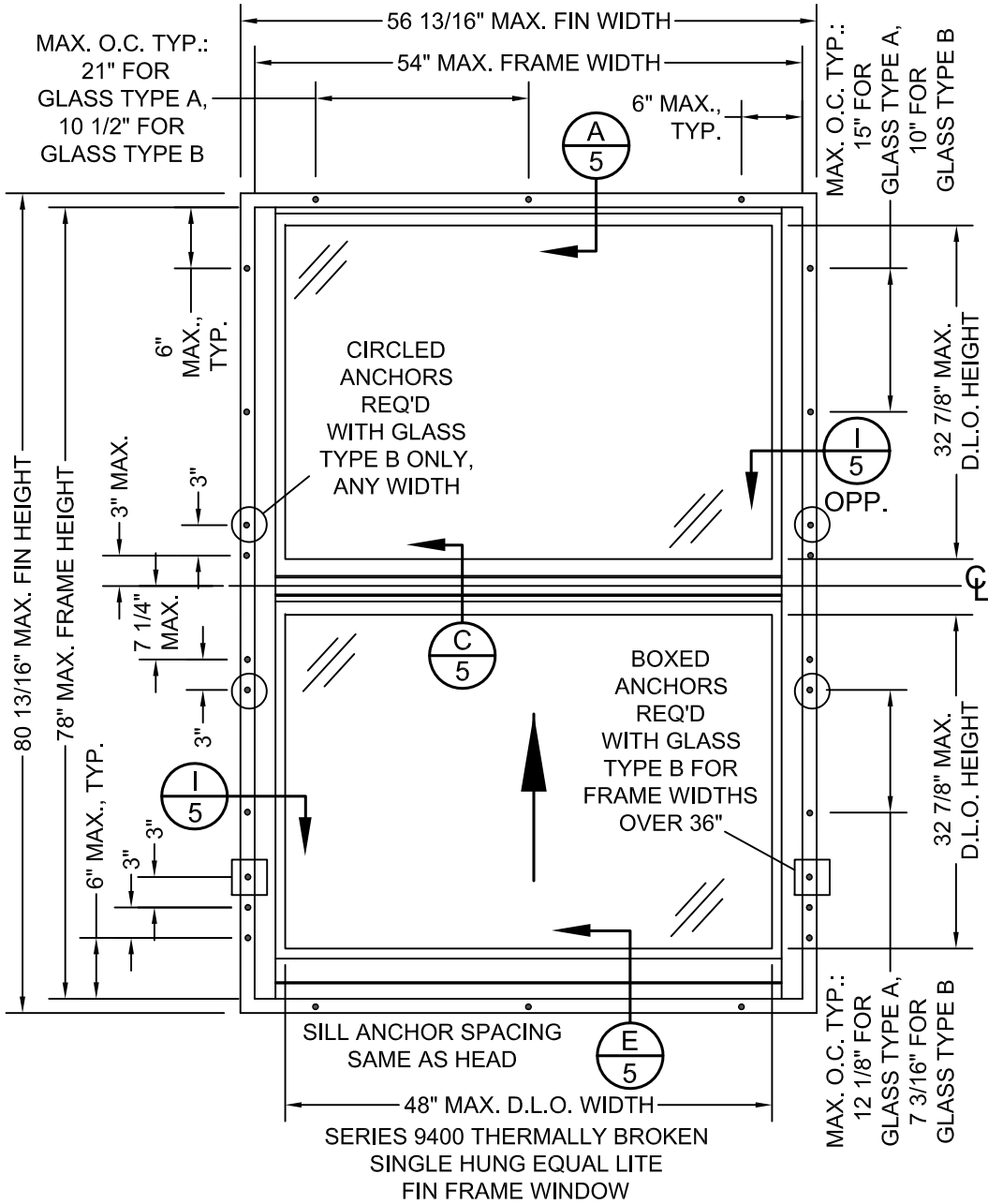
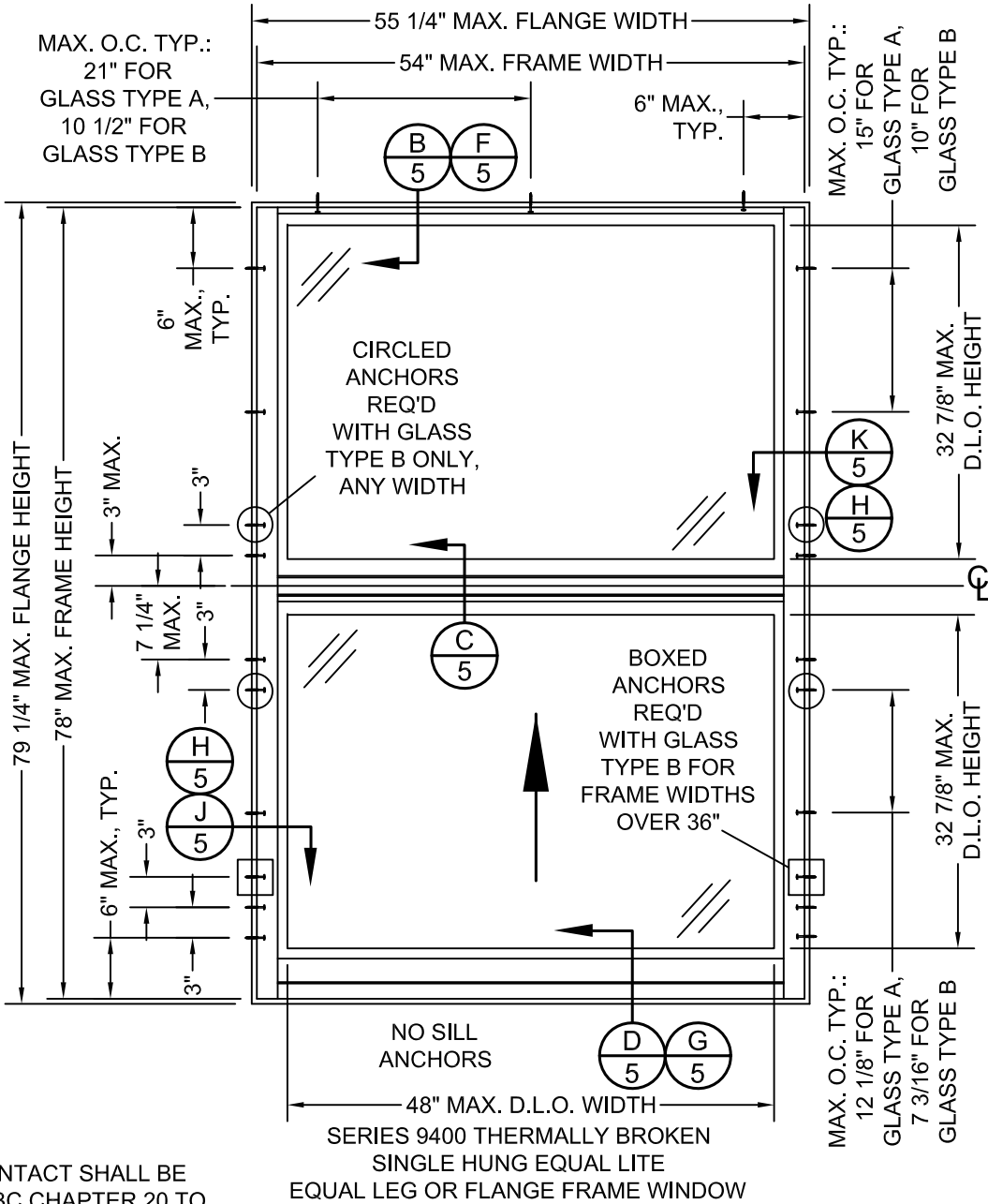


GENERAL NOTES:

1. THIS PRODUCT, FABRICATED AND ANCHORED AS DETAILED IN THIS DRAWING, IS NON-IMPACT RESISTANT AND REQUIRES THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.
2. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.
3. ALLOWABLE CONFIGURATIONS ARE AS INDICATED HEREIN.
4. THE DESIGN PRESSURE RATINGS (SEE SHEETS 3 AND 4) IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 04 GLASS TABLES, TESTED WATER AND STRUCTURAL PRESSURES, AND COMPARATIVE ANALYSIS.
5. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.
6. INSTALLATION OF WOOD BUCKS TO THE SUBSTRATE TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVE THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR A.H.J. WHEN INSTALLING INTO CONCRETE/MASONRY WITH WOOD BUCKS LESS THAN 1-1/2" THICK, ANCHOR EMBEDMENT SHALL BE INTO CONCRETE/MASONRY. WHEN INSTALLING INTO WOOD BUCKS 1-1/2" OR THICKER OVER CONCRETE/MASONRY, ANCHOR EMBEDMENT SHALL BE INTO THE WOOD.
7. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED PER FBC CHAPTER 20 TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH 6063-T6 ALUMINUM. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS.
8. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.
9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS USING ASTM E-2112 AND IS NOT ADDRESSED BY THIS DOCUMENT.

TABLE OF CONTENTS:

- 1-2 NOTES, ELEVATIONS
3-4 DP AND ANCHOR QTY CHARTS
5 SECTION DETAILS
6-9 INSTALLATION DETAILS
10 EXTRUSION PROFILE DRAWINGS
11 BILL OF MATERIALS

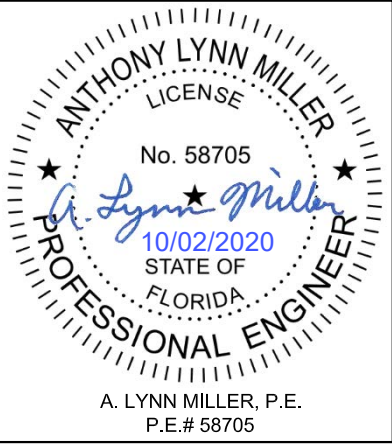


ANCHORAGE NOTES:

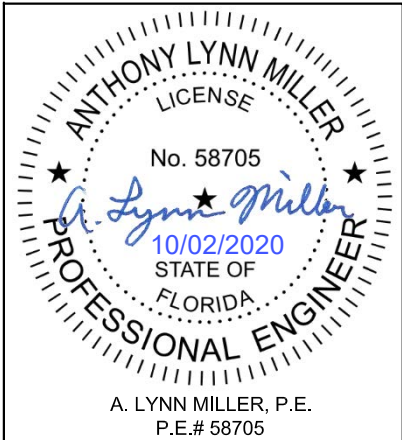
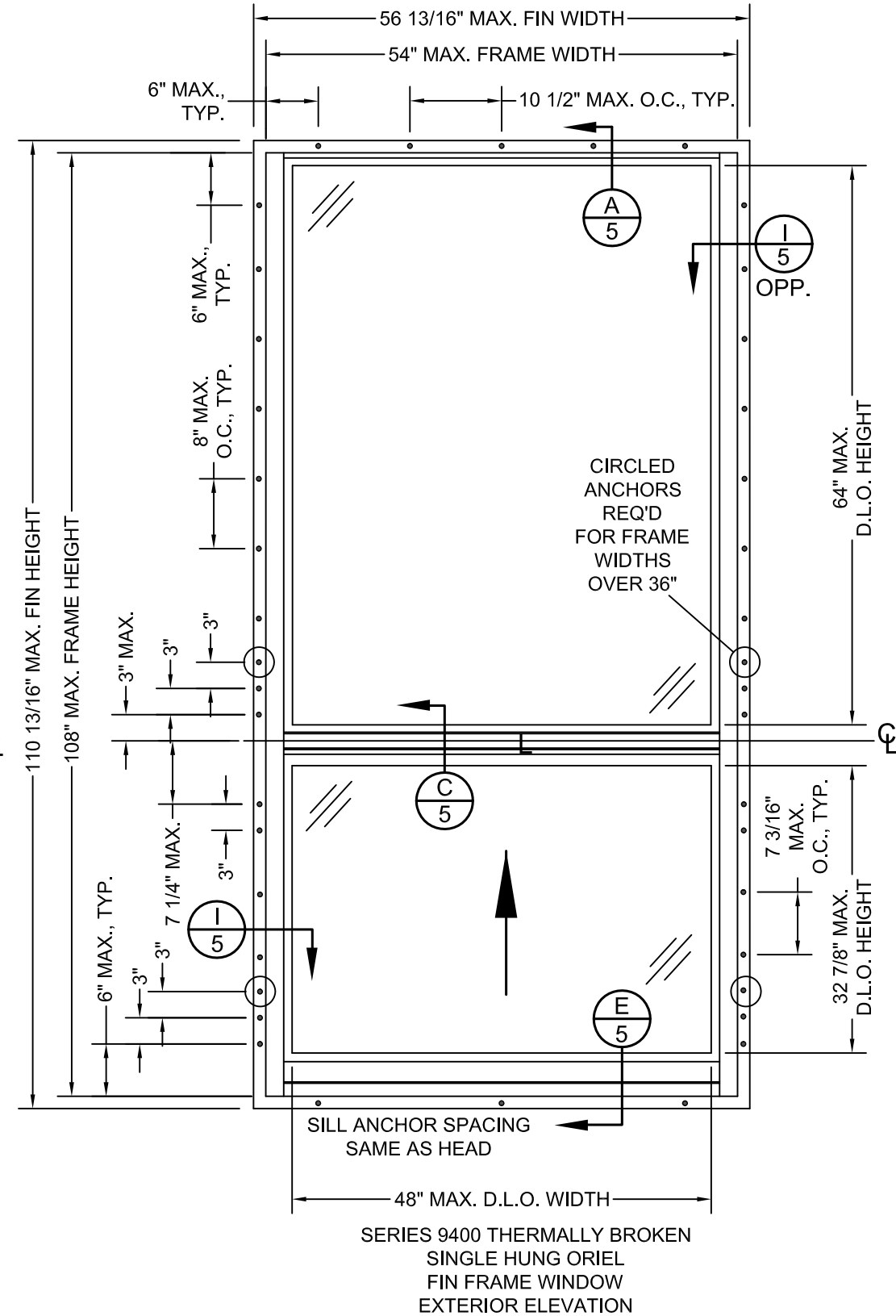
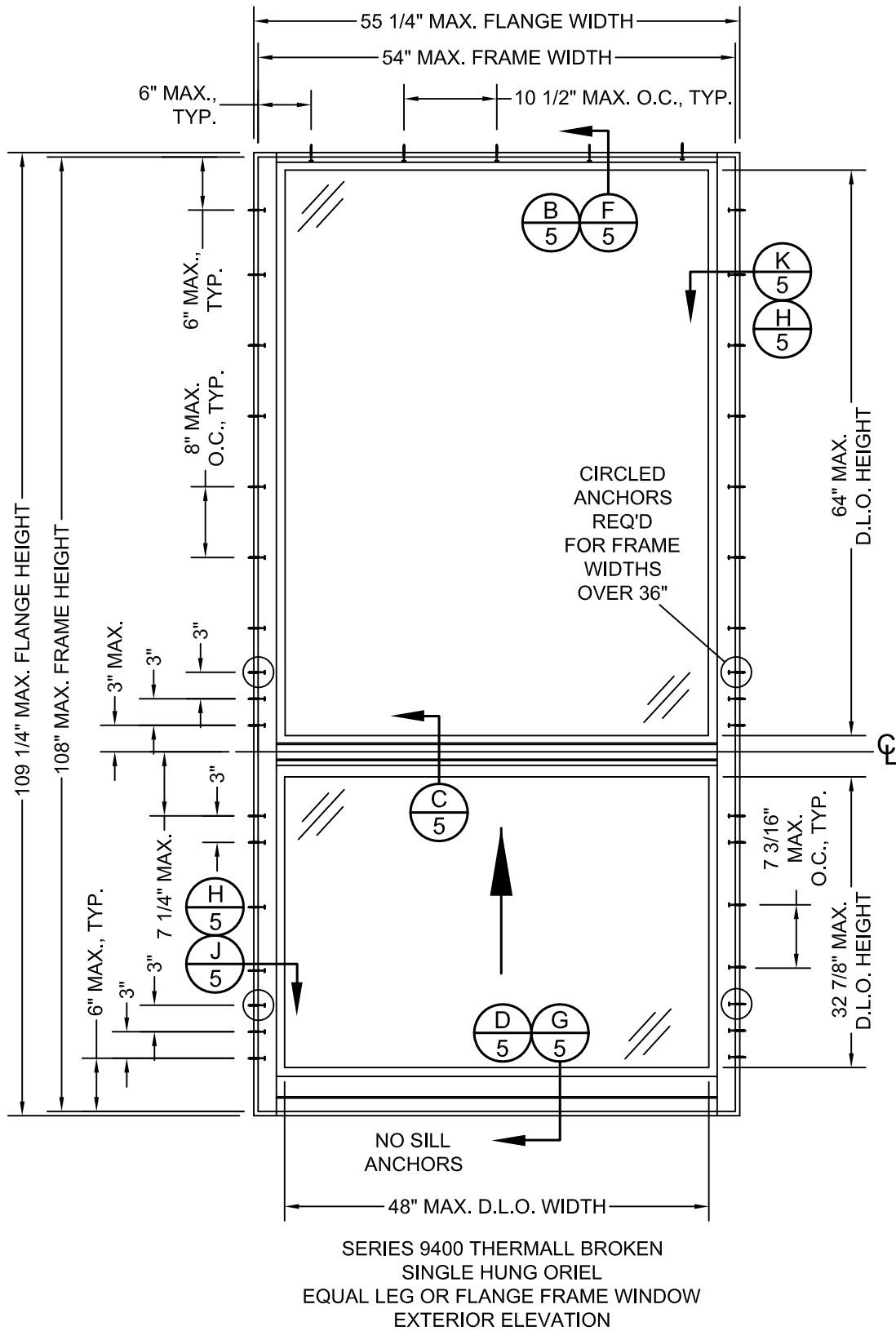
1. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK, USE #12 GRADE 5 STEEL WOOD SCREWS WITH 1-3/8" MINIMUM EMBEDMENT INTO SUBSTRATE AND 1" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
2. FOR ANCHORING INTO CONCRETE, USE:
 - A. 1/4" ELCO ULTRACONS: 1-3/4" MIN. EMBEDMENT, 1" MIN. EDGE DISTANCE, 3" MIN. O.C.
 - B. 1/4" DEWALT ULTRAACON+: 1-3/4" MIN. EMBEDMENT, 1-3/16" MIN. EDGE DISTANCE, 3" MIN. O.C.
 - C. 1/4" ELCO CRETE-FLEX : 1-3/4" MIN. EMBEDMENT, 1" MIN. EDGE DISTANCE, 3" MIN. O.C.
 - D. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. CONCRETE SHALL NOT BE CRACKED.
12. FOR ANCHORING INTO MASONRY (ONLY AT JAMBS), USE:
 - A. 1/4" ELCO ULTRAACON, DEWALT ULTRAACON+ OR ELCO CRETE-FLEX: 1-1/4" MIN. EMBEDMENT, 2-1/2" MIN. EDGE DISTANCE, 3" MIN. O.C.
 - B. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. MASONRY SHALL NOT BE CRACKED.
13. FOR ANCHORING INTO 0.060" MINIMUM 45KSI MIN. ULT. TENSILE STRENGTH STEEL, USE #12 ITW BUILDTEX TEKS SELECT SELF-DRILLING STRUCTURAL FASTENERS (GRADE 5) WITH FULL THREAD ENGAGEMENT THROUGH THE METAL WALL THICKNESS AND 1/2" MINIMUM EDGE DISTANCE. FOR ANCHORING INTO 1/8" MINIMUM THICKNESS 6063-T5 ALUMINUM OR 45KSI MIN. ULT. TENSILE STRENGTH STEEL, USE #12 GRADE 5 SELF-DRILLING FASTENER WITH FULL THREAD ENGAGEMENT THROUGH THE METAL WALL THICKNESS AND 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTRUCTIONS AND MINIMUM SUBSTRATE STRENGTH SHALL BE AS FOLLOWS:
 - A. WOOD - MIN. SPECIFIC GRAVITY OF 0.42 (SPRUCE-PINE-FIR)
 - B. SOLID CONCRETE - 3350 PSI MIN. COMPRESSIVE STRENGTH MASONRY/CMU AT JAMBS ONLY - STRENGTH CONFORMANCE TO ASTM C-90 WITH NORMAL COMPRESSIVE STRENGTH OF 2 KSI MIN.
 - C. STEEL - 33 KSI MIN. YIELD STRENGTH, 45 KSI MIN. ULTIMATE TENSILE STRENGTH
 - D. ALUMINUM - 6063-T5 1/8" THICK MIN.

UPDATES FOR 2020 FBC. UPDATED MANUFACTURING ADDRESS. ADDED 1/4" DEWALT ULTRAACON +.	
Revision:	

WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296			
		THERMALLY BROKEN ALUM. SINGLE HUNG (NI)			
		09/30/20			
		Date			
Series Desc.		By		ERIN KOSS	
SH9400T		DWG No.		9400 NI	
Sheet		1 OF 11		Rev.	
				B	



A. LYNN MILLER, P.E.
P.E.# 58705



WINDOOR® INCORPORATED	
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432	
Title	THERMALLY BROKEN ALUM
Desc.	GENERAL NOTES, GLAZING & FIN ELEVATION
Series	SH9400T
Sheet	2 OF 11

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	By ERIN KOSS	Date 09/30/20	DWG No. 9400 NI	Rev. B

Revision:	NO CHANGES THIS SHEET.
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A. LYNN MILLER, P.E.
P.E.# 58705

CHART 1. EQUAL LITE (FLANGE, FIN, OR EQ. LEG) GLASS TYPES A & C DESIGN PRESSURES (PSF)

FRAME HEIGHT (in.)	FRAME WIDTH (in.)					
	24	30	36	42	48	54
36	+100.0/-150.0	+100.0/-150.0	+100.0/-150.0	+100.0/-146.8	+100.0/-137.0	+100.0/-130.8
42	+100.0/-150.0	+100.0/-150.0	+100.0/-140.0	+100.0/-113.6	+99.6/-99.6	+91.8/-91.8
48	+100.0/-150.0	+100.0/-150.0	+100.0/-133.1	+100.0/-105.9	+87.9/-87.9	+75.5/-75.5
54	+100.0/-150.0	+100.0/-150.0	+100.0/-127.4	+100.0/-103.8	+86.1/-86.1	+72.4/-72.4
60	+100.0/-150.0	+100.0/-140.0	+100.0/-120.4	+100.0/-100.9	+85.2/-85.2	+72.4/-72.4
66	+98.1/-147.1	+91.5/-131.3	+90.8/-110.8	+90.8/-95.0	+82.7/-82.7	+70.7/-72.0
72	+85.8/-132.0	+78.5/-120.5	+76.3/-103.4	+76.3/-89.3	+76.3/-77.7	+67.5/-69.4
78	+76.3/-117.4	+68.7/-105.6	+65.4/-95.2	+65.0/-83.1	+65.0/-72.9	+65.0/-65.7

CHART 2. EQUAL LITE (FLANGE, FIN, OR EQ. LEG) GLASS TYPES B & D DESIGN PRESSURES (PSF)

FRAME HEIGHT (in.)	FRAME WIDTH (in.)					
	24	30	36	42	48	54
36	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0
42	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0
48	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-198.0	+100.0/-180.0
54	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-198.0	+100.0/-180.0
60	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-198.0	+100.0/-172.5
66	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-196.0	+100.0/-178.0	+100.0/-163.1
72	+100.0/-198.0	+100.0/-181.1	+100.0/-176.0	+100.0/-176.0	+100.0/-176.0	+100.0/-155.7
78	+100.0/-176.0	+100.0/-158.4	+100.0/-150.9	+100.0/-150.0	+100.0/-150.0	+100.0/-150.0

ANCHOR QUANTITIES FOR CHART 1, SEE EQUAL LITE ELEVATIONS FOR LOCATIONS

FRAME HEIGHT (in.)	FRAME WIDTH (in.)																							
	24				30				36				42				48				54			
	H	UJ	MR	LJ	H	UJ	MR	LJ	H	UJ	MR	LJ	H	UJ	MR	LJ	H	UJ	MR	LJ	H	UJ	MR	LJ
36	2	1	2	2	2	1	2	2	3	1	2	2	3	1	2	2	3	1	2	2	3	1	2	2
42	2	1	2	2	2	1	2	2	3	1	2	2	3	1	2	2	3	1	2	2	3	1	2	2
48	2	1	2	2	2	1	2	2	3	1	2	2	3	1	2	2	3	1	2	2	3	1	2	2
54	2	2	2	2	2	2	2	2	3	2	2	2	3	2	2	2	3	2	2	2	3	2	2	2
60	2	2	2	3	2	2	2	3	3	2	2	3	3	2	2	3	3	2	2	3	3	2	2	3
66	2	2	2	3	2	2	2	3	3	2	2	3	3	2	2	3	3	2	2	3	3	2	2	3
72	2	2	2	3	2	2	2	3	3	2	2	3	3	2	2	3	3	2	2	3	3	2	2	3
78	2	2	2	3	2	2	2	3	3	2	2	3	3	2	2	3	3	2	2	3	3	2	2	3

H = HEAD (AND SILL FOR FIN WINDOWS)
MR = TOTAL QTY AT EACH END OF MEETING RAIL

UJ = UPPER JAMB NOT INCLUDING MEETING RAIL QTY
LJ = LOWER JAMB NOT INCLUDING MEETING RAIL QTY

ANCHOR QUANTITIES FOR CHART 2, SEE EQUAL LITE ELEVATIONS FOR LOCATIONS

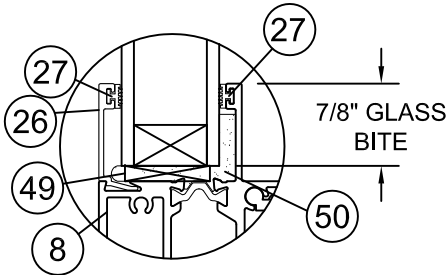
FRAME HEIGHT (in.)	FRAME WIDTH (in.)																							
	24				30				36				42				48				54			
	H	UJ	MR	LJ	H	UJ	MR	LJ	H	UJ	MR	LJ	H	UJ	MR	LJ	H	UJ	MR	LJ	H	UJ	MR	LJ
36	3	1	4	2	3	1	4	2	4	1	4	2	4	1	4	2	5	1	4	2	5	1	4	2
42	3	1	4	2	3	1	4	2	4	1	4	2	4	1	4	2	5	1	4	2	5	1	4	2
48	3	2	4	2	3	2	4	2	4	2	4	2	4	2	4	3	5	2	4	3	5	2	4	3
54	3	2	4	3	3	2	4	3	4	2	4	3	4	2	4	4	5	2	4	4	5	2	4	4
60	3	2	4	3	3	2	4	3	4	2	4	3	4	2	4	4	5	2	4	4	5	2	4	4
66	3	3	4	3	3	3	4	3	4	3	4	3	4	3	4	4	5	3	4	4	5	3	4	4
72	3	3	4	4	3	3	4	4	4	3	4	4	4	3	4	5	5	3	4	5	5	3	4	5
78	3	3	4	4	3	3	4	4	4	3	4	4	4	3	4	5	5	3	4	5	5	3	4	5

H = HEAD (AND SILL FOR FIN WINDOWS)
MR = TOTAL QTY AT EACH END OF MEETING RAIL

UJ = UPPER JAMB NOT INCLUDING MEETING RAIL QTY
LJ = LOWER JAMB NOT INCLUDING MEETING RAIL QTY

CHART 1 AND 2 ANCHORAGE QUANTITY NOTES:

- 1) THE MAXIMUM ANCHOR SPACING SHOWN IN THE ELEVATIONS ON SHEET 1 SHALL NOT BE EXCEEDED.
- 2) THESE TABLES APPLY TO ALL QUALIFIED ANCHOR TYPES, SEE INSTALLATION DETAILS SHTS 6-9
- 3) REDUCE EDGE OR ON-CENTER SPACING AS REQUIRED TO ENSURE 3" MIN. SPACING IS MAINTAINED BETWEEN ANY TWO FASTENERS



TYPE A 1" INSULATED GLASS:
1/8" ANNEALED - 3/4" SPACER - 1/8" ANNEALED

TYPE B 1" INSULATED GLASS:
1/8" FULLY TEMPERED - 3/4" SPACER - 1/8" FULLY TEMPERED

TYPE C 1" INSULATED GLASS:
3/16" ANNEALED - 5/8" SPACER - 3/16" ANNEALED

TYPE D 1" INSULATED GLASS:
3/16" FULLY TEMPERED - 5/8" SPACER - 3/16" FULLY TEMPERED

Revision:

ADDED GLASS TYPES C & D.

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
REGISTRATION #29296

WINDOOR®
INCORPORATED
WINDOOR INCORPORATED
104 TRIPLE DIAMOND BLVD.
NORTH VENICE, FL 34275
(833) 554-5432

THERMALLY BROKEN ALUM. SINGLE HUNG (NI)

DP & ANCHORAGE CHARTS - EQUAL LITE

SH9400T

09/30/20

Date

ERIN KOSS

By

9400 NI

No.

3 OF 11

Sheet

B

Rev.

CHART 3. ORIEL (FLANGE, FIN, OR EQ. LEG) WITH GLASS TYPES B & D DESIGN PRESSURES (PSF)

FRAME HEIGHT (in.)	SASH HEIGHT (in.)	SASH D.L.O. (in.)	FIXED D.L.O. (in.)	FRAME WIDTH (in.)					
				24	30	36	42	48	54
66	24 1/4	18	36 7/8	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-180.0	+100.0/-165.0
72	26 3/8	20 1/8	40 3/4	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-180.0	+100.0/-165.0
78	28 1/2	22 1/4	44 5/8	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-180.0	+100.0/-163.5
84	30 5/8	24 3/8	48 1/2	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-180.0	+100.0/-159.7
90	32 3/4	26 1/2	52 3/8	+100.0/-200.0	+100.0/-200.0	+100.0/-200.0	+100.0/-187.0	+100.0/-170.0	+100.0/-156.7
96	34 7/8	28 5/8	56 1/4	+100.0/-200.0	+100.0/-192.7	+100.0/-189.8	+100.0/-187.0	+100.0/-170.0	+100.0/-154.2
102	37	30 3/4	60 1/8	+100.0/-190.0	+100.0/-173.4	+100.0/-168.2	+100.0/-168.2	+100.0/-168.2	+100.0/-151.9
108	39 1/8	32 7/8	64	+100.0/-174.6	+100.0/-157.6	+100.0/-150.6	+100.0/-150.0	+100.0/-150.0	+100.0/-147.2

ANCHOR QUANTITIES FOR CHART 3, SEE ORIEL ELEVATIONS FOR LOCATIONS

FRAME HEIGHT (in.)	FRAME WIDTH (in.)																							
	24				30				36				42				48				54			
	H	UJ	MR	LJ	H	UJ	MR	LJ	H	UJ	MR	LJ	H	UJ	MR	LJ	H	UJ	MR	LJ	H	UJ	MR	LJ
66	3	4	4	3	3	4	4	3	4	4	4	3	4	4	5	3	5	4	5	3	5	4	5	3
72	3	5	4	3	3	5	4	3	4	5	4	3	4	4	5	3	5	4	5	3	5	4	5	3
78	3	5	4	3	3	5	4	3	4	5	4	3	4	5	5	4	5	5	5	4	5	5	5	4
84	3	5	4	3	3	5	4	3	4	5	4	3	4	5	5	4	5	5	5	4	5	5	5	4
90	3	6	4	4	3	6	4	4	4	6	4	4	4	6	5	4	5	6	5	4	5	6	5	4
96	3	6	4	4	3	6	4	4	4	6	4	4	4	6	5	4	5	6	5	4	5	6	5	4
102	3	7	4	4	3	7	4	4	4	7	4	4	4	7	5	5	5	7	5	5	5	7	5	5
108	3	7	4	4	3	7	4	4	4	7	4	4	4	7	5	5	5	7	5	5	5	7	5	5

H = HEAD (AND SILL FOR FIN WINDOWS)

UJ = UPPER JAMB NOT INCLUDING MEETING RAIL QTY

MR = TOTAL QTY AT EACH END OF MEETING RAIL

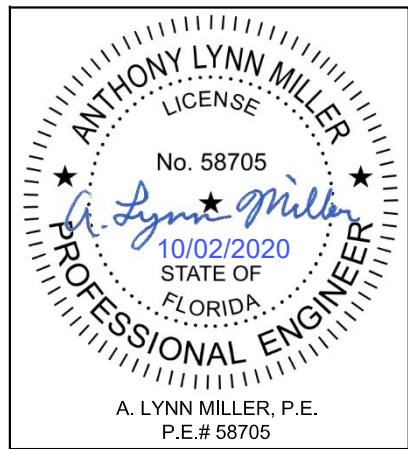
LJ = LOWER JAMB NOT INCLUDING MEETING RAIL QTY

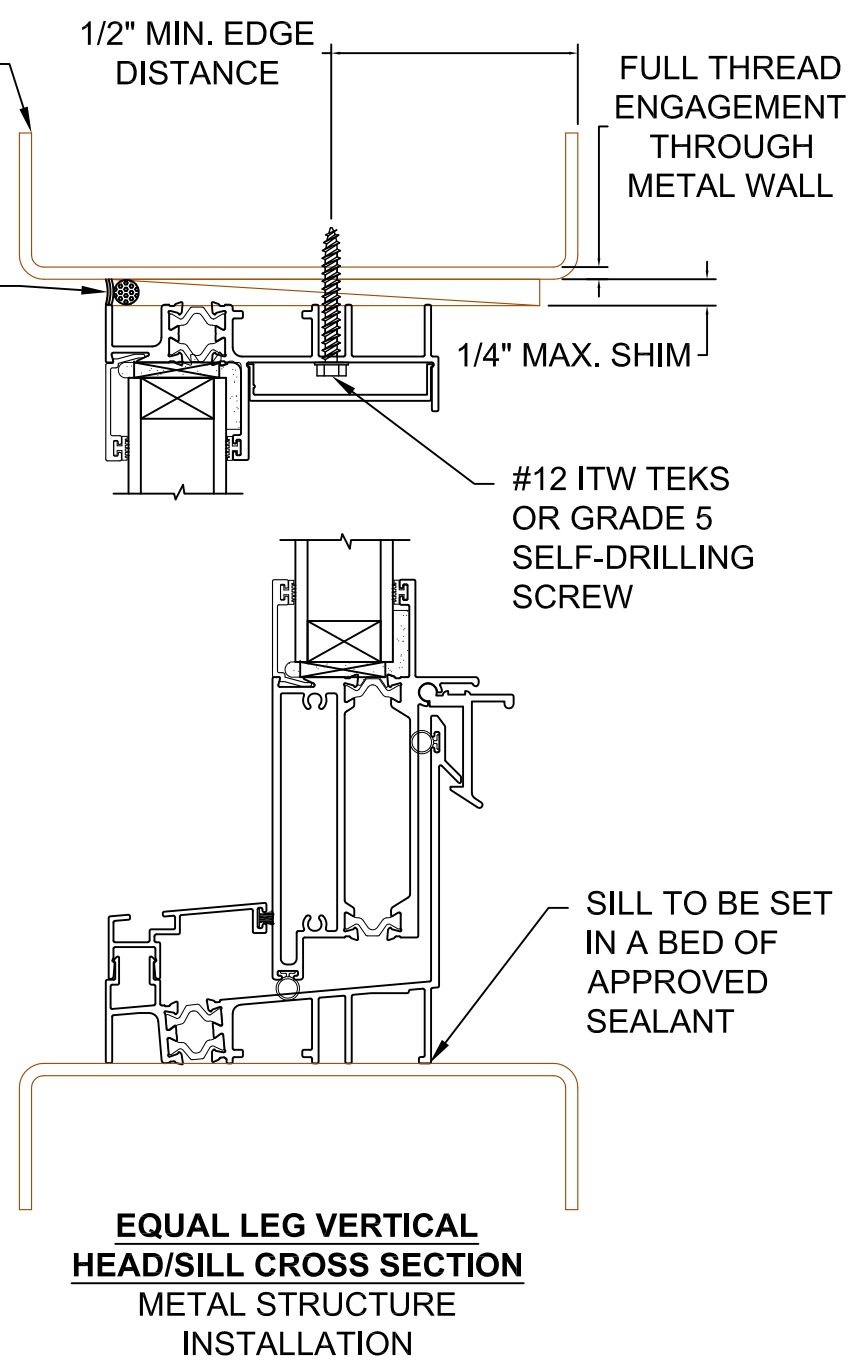
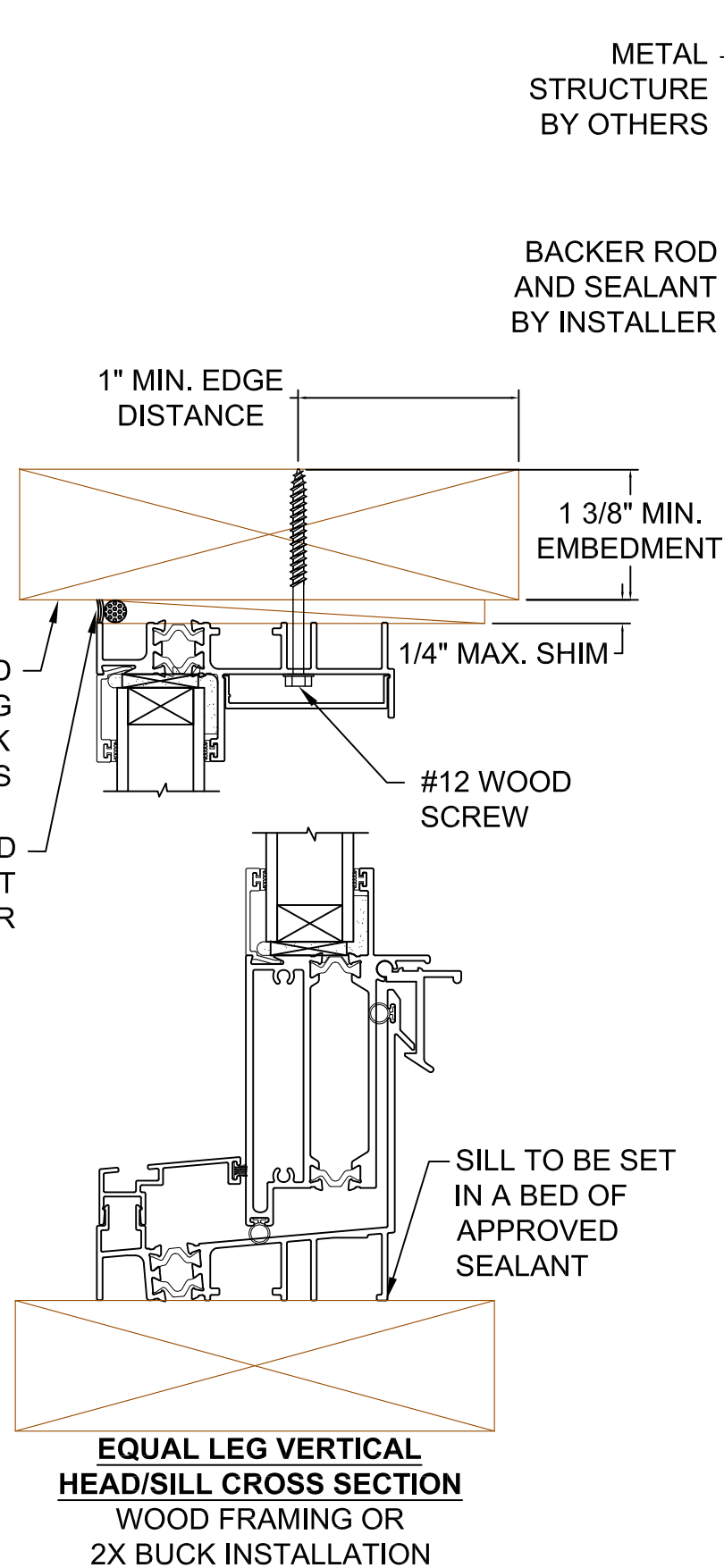
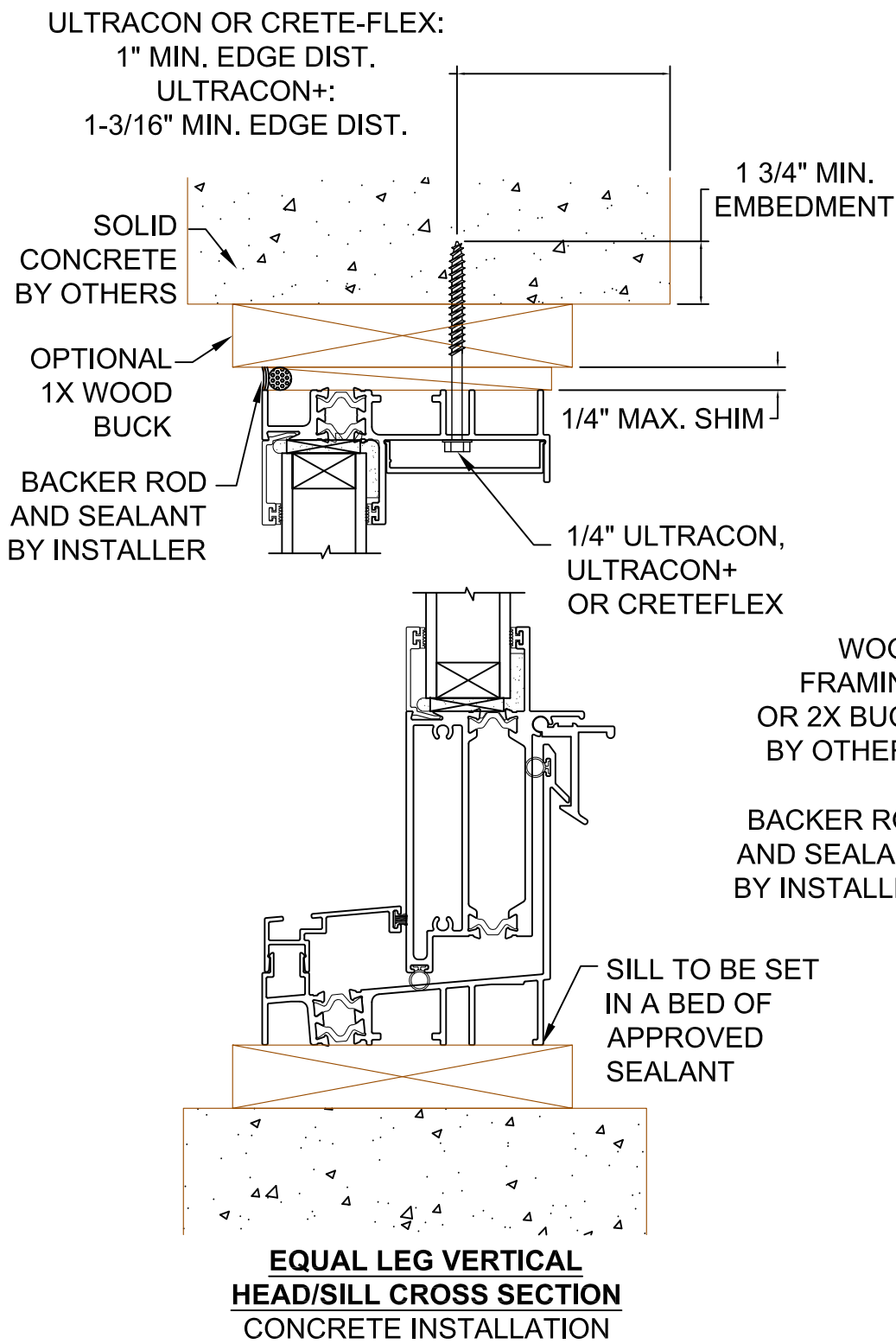
CHART 3 ANCHORAGE QUANTITY NOTES:

- 1) THE MAXIMUM ANCHOR SPACING SHOWN IN THE ELEVATIONS ON SHEET 2 SHALL NOT BE EXCEEDED.
2) THESE TABLES APPLY TO ALL QUALIFIED ANCHOR TYPES, SEE INSTALLATION DETAILS SHTS 6-9
3) REDUCE EDGE OR ON-CENTER SPACING AS REQUIRED TO ENSURE 3" MIN. SPACING IS MAINTAINED BETWEEN ANY TWO FASTENERS

[illegible]

WINDOOR[®] INCORPORATED		WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	
THERMALLY BROKEN ALUM. SINGLE HUNG (NI)		09/30/20		Date	
DP & ANCHORAGE CHARTS - ORIEL		By		ERIN KOSS	
SH9400T		4 OF 11		9400 NI	
Sheet		No.		Rev.	
Series		DWG		B	





GENERAL ANCHOR NOTES:

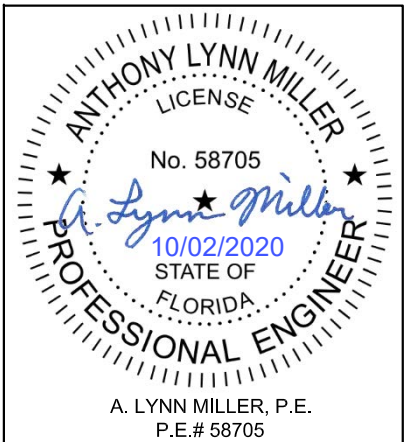
1. INSTALL ONE ANCHOR AS INDICATED IN DETAILS ON THIS SHEET AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEET 1.
2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
3. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS.

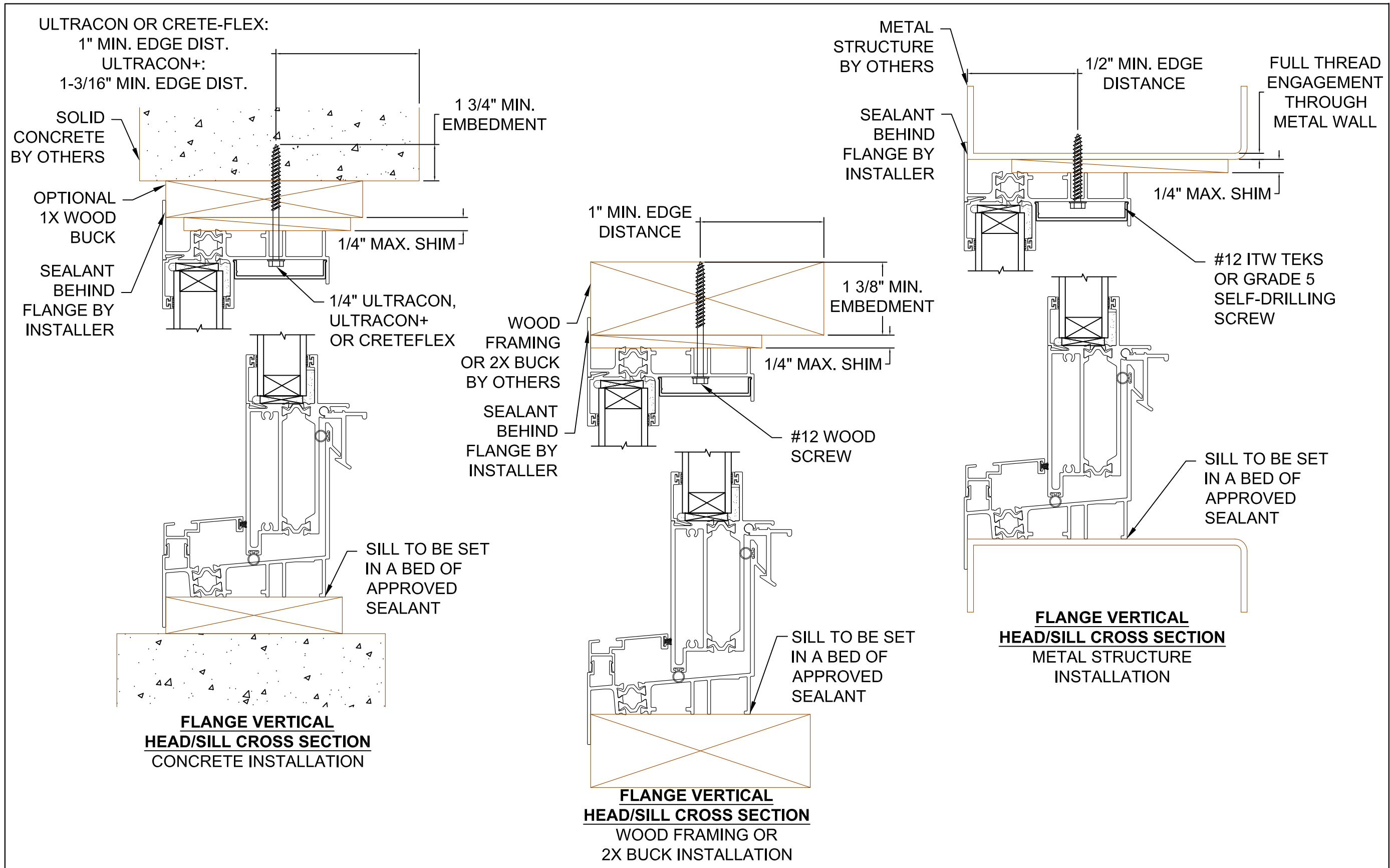
EXTERIOR



Revision:	ADDED 1/4" ELCO ULTRACON+

WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	Date	09/30/20	Rev.	B
		By	ERIN KOSS	DWG No.	9400 NI
Series	SH9400T	Desc.	INSTALLATION DETAILS - EQUAL LEG	Sheet	6 OF 11
THERMALLY BROKEN ALUM. SINGLE HUNG (NI)					





- GENERAL ANCHOR NOTES:**
1. INSTALL ONE ANCHOR AS INDICATED IN DETAILS ON THIS SHEET AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEET 1.
 2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
 3. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
 4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS.
- EXTERIOR** ←

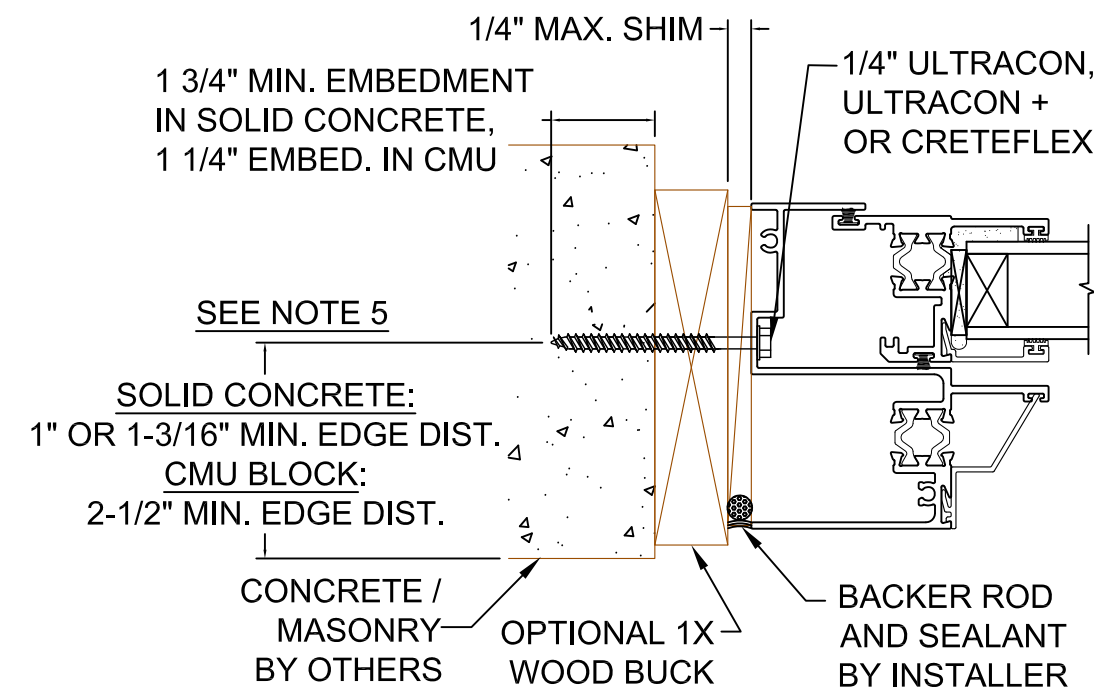
Revision:

ADDED 1/4" ELCO ULTRACON+

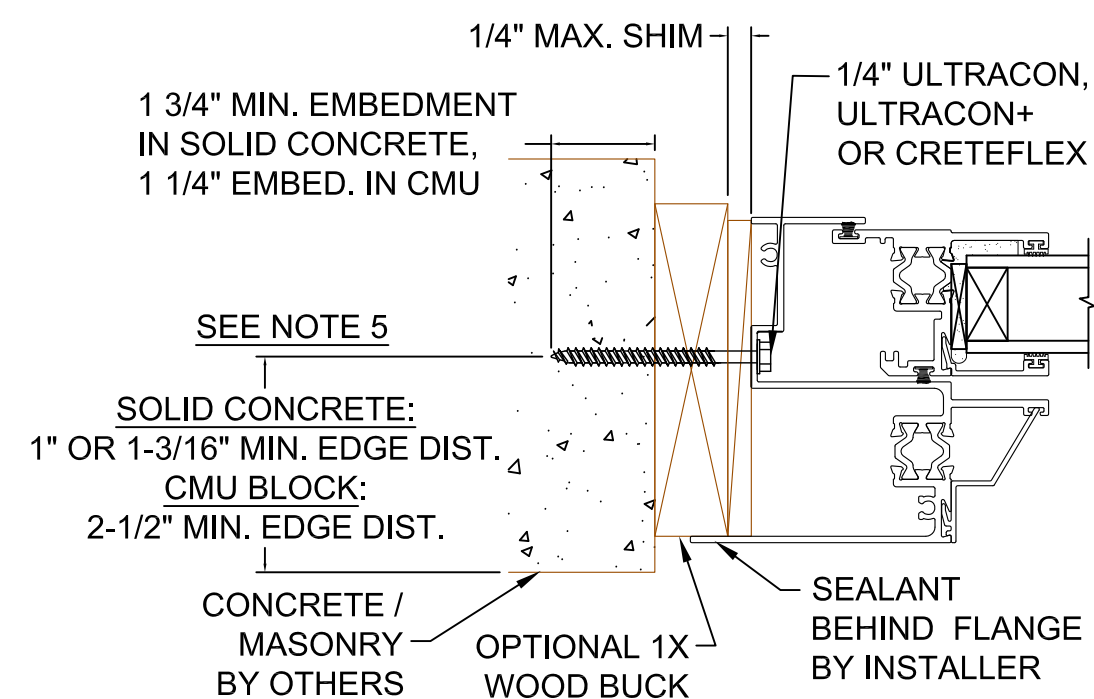
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	WINDOOR® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432	Date	09/30/20	Rev.	B
		By	ERIN KOSS	DWG No.	9400 NI
		THERMALLY BROKEN ALUM. SINGLE HUNG (NI)		Sheet	7 OF 11
		INSTALLATION DETAILS - FLANGE		Series	SH9400T

ANTHONY LYNN MILLER
LICENSE
No. 58705
10/02/2020
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

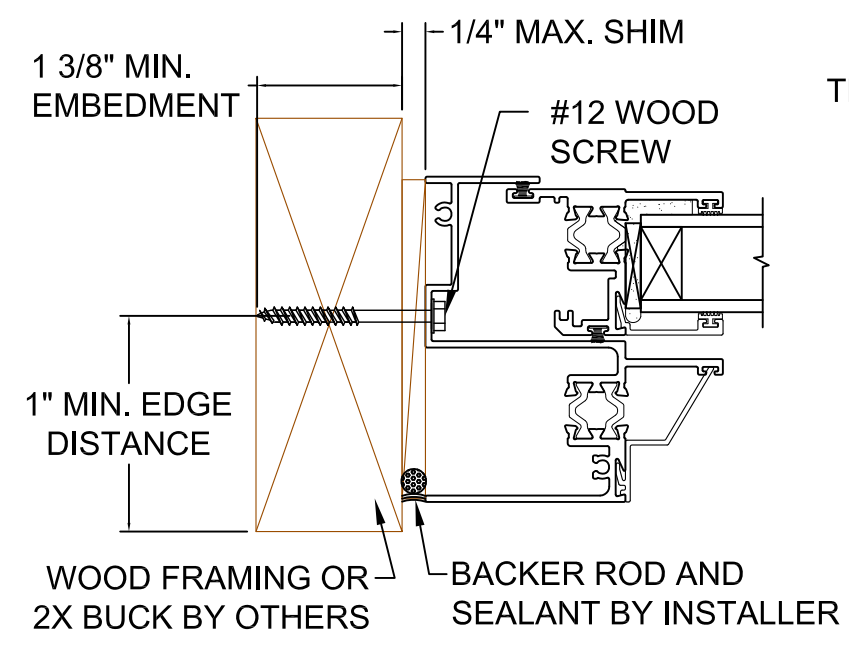
A. LYNN MILLER, P.E.
P.E.# 58705



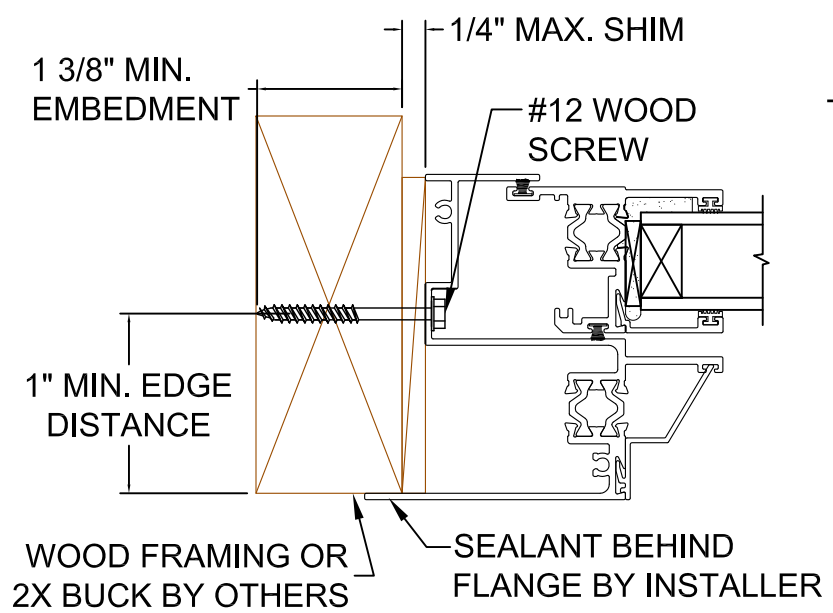
EQUAL LEG HORIZONTAL JAMB
CROSS SECTION
 CONCRETE/MASONRY INSTALLATION



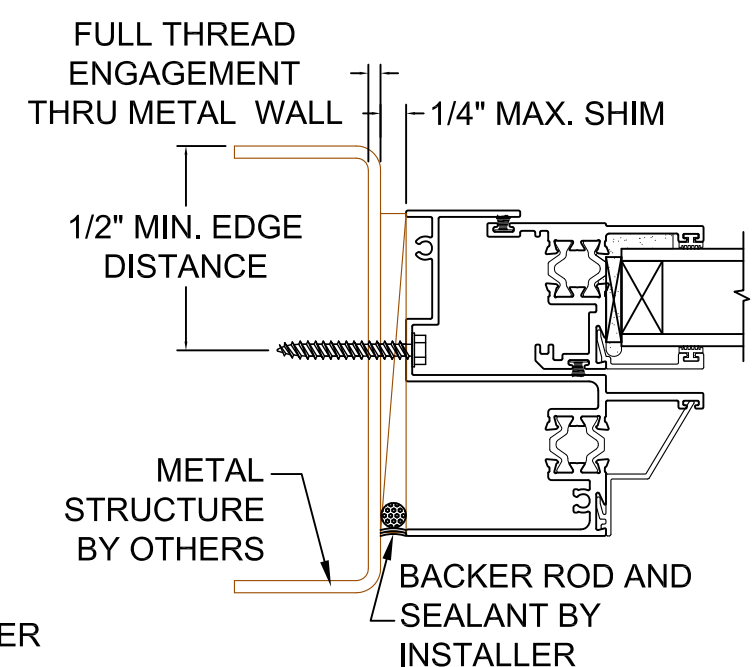
FLANGE HORIZONTAL JAMB
CROSS SECTION
 CONCRETE/MASONRY
 INSTALLATION



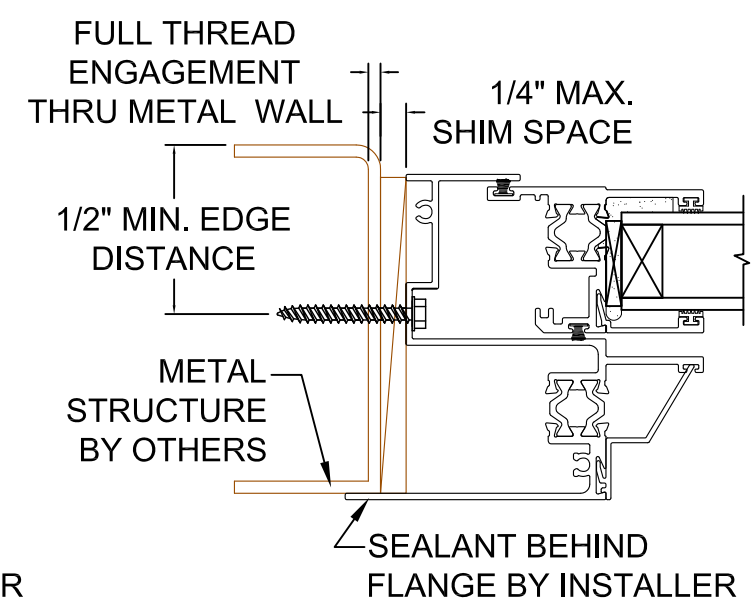
EQUAL LEG HORIZONTAL JAMB
CROSS SECTION
 WOOD FRAMING OR 2X BUCK
 INSTALLATION



FLANGE HORIZONTAL JAMB
CROSS SECTION
 WOOD FRAMING OR 2X BUCK
 INSTALLATION



EQUAL LEG HORIZONTAL JAMB
CROSS SECTION
 METAL STRUCTURE
 INSTALLATION



FLANGE HORIZONTAL JAMB
CROSS SECTION
 METAL STRUCTURE
 INSTALLATION

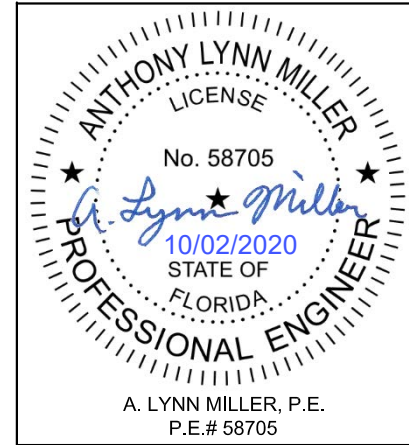
GENERAL ANCHOR NOTES:

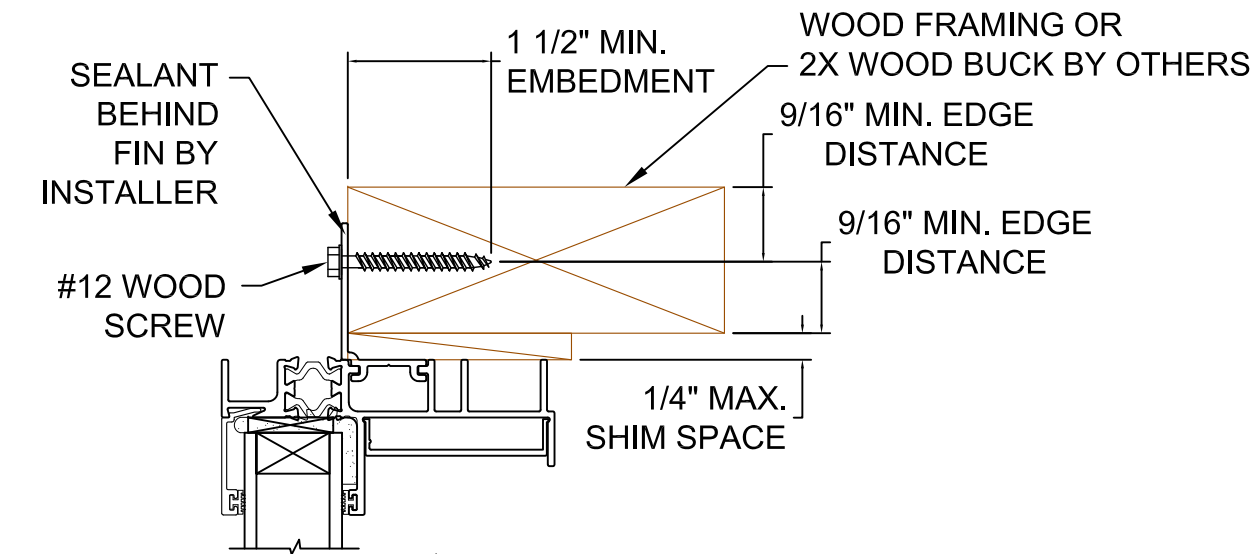
1. INSTALL ONE ANCHOR AS INDICATED IN DETAILS ON THIS SHEET AT EACH LOCATION SHOWN IN THE ELEVATIONS ON SHEET 1.
2. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
3. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
4. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS.
5. 1" MIN. EDGE DIST. FOR ULTRACON OR CRETE-FLEX INTO CONCRETE, 1-3/16" MIN. EDGE DIST. FOR ULTRACON+ INTO CONCRETE.

EXTERIOR

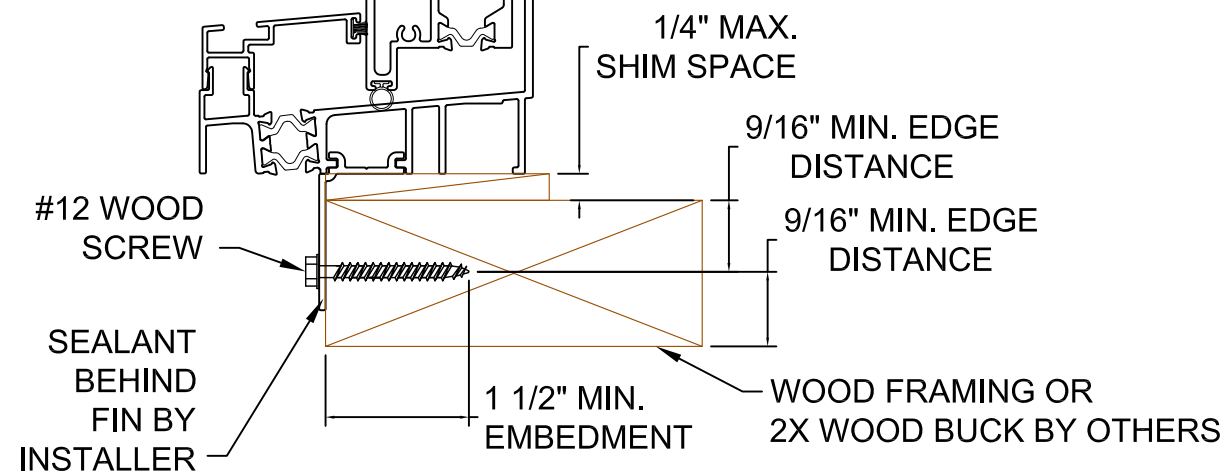
Revision:	ADDED 1/4" ELCO ULTRACON+

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296	Date	09/30/20	Rev.	B
	By	ERIN KOSS		
	No.	9400 NI		
	DWG			
WinDoor® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432	THERMALLY BROKEN ALUM. SINGLE HUNG (NI)		8 OF 11	
	INSTALLATION DETAILS - JAMBS		SH9400T	
	Title		Sheet	
	Desc.		No.	

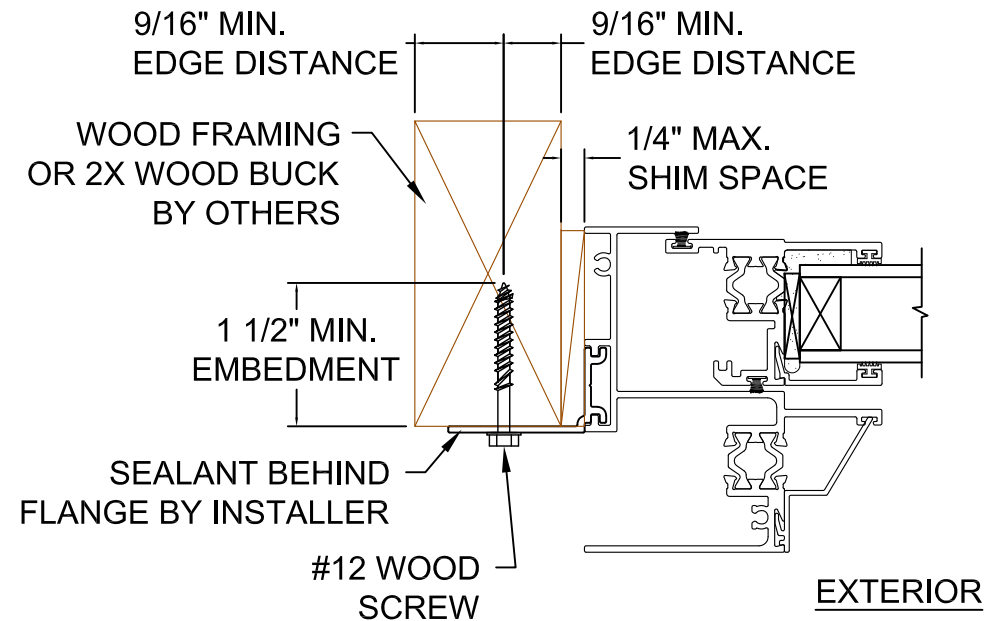




EXTERIOR



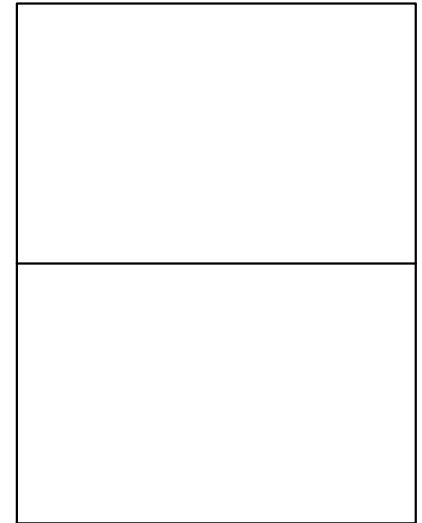
FIN VERTICAL CROSS SECTION
WOOD FRAMING OR
2X WOOD BUCK INSTALLATION



FIN HORIZONTAL CROSS SECTION
WOOD FRAMING OR
2X WOOD BUCK INSTALLATION

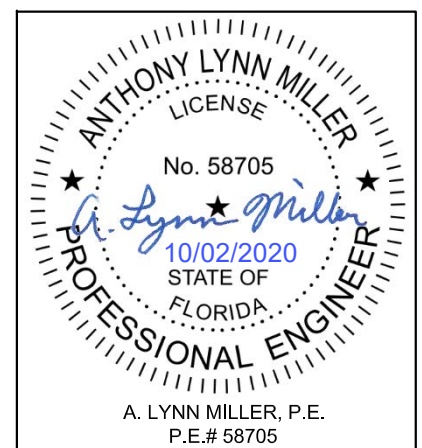
GENERAL ANCHOR NOTES:

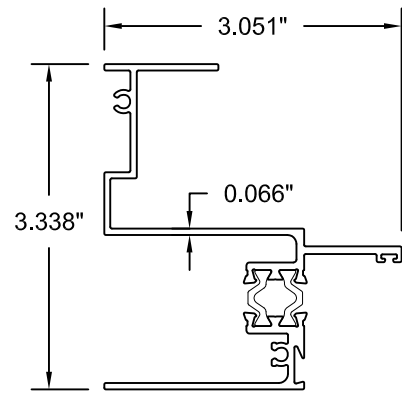
1. FIN WINDOWS SHALL BE INSTALLED ONLY TO WOOD SUBSTRATES AS SHOWN ON THIS SHEET.
2. INSTALL ONE ANCHOR AS INDICATED IN DETAILS ON THIS SHEET AT EACH LOCATION SHOWN IN THE ELEVATION ON SHEET 2.
3. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
4. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
5. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO, BY OTHERS.



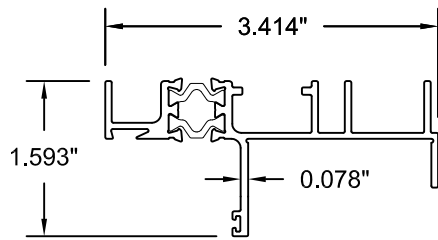
Revision: NO CHANGES THIS SHEET.

WinDoor® INCORPORATED WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296		09/30/20	Rev.	B
	THERMALLY BROKEN ALUM. SINGLE HUNG (NI)		Date	By	
	INSTALLATION DETAILS - FIN		No.	DWG	9400 NI
	SH9400T		9 OF 11	Sheet	

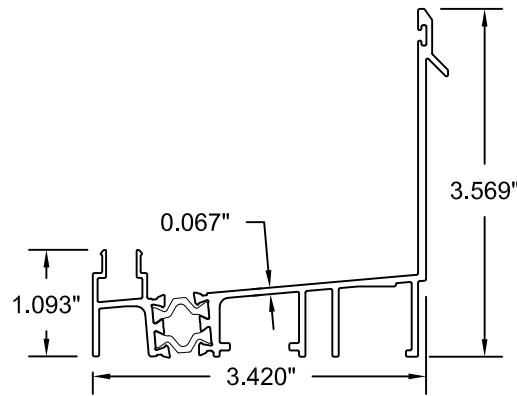




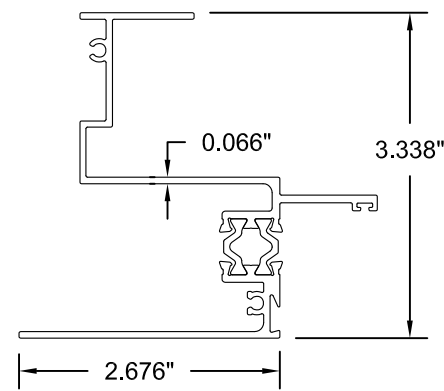
① FRAME JAMB EQUAL LEG
1349X004



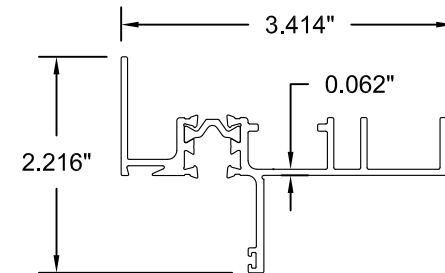
② FRAME HEAD EQUAL LEG
1394X001



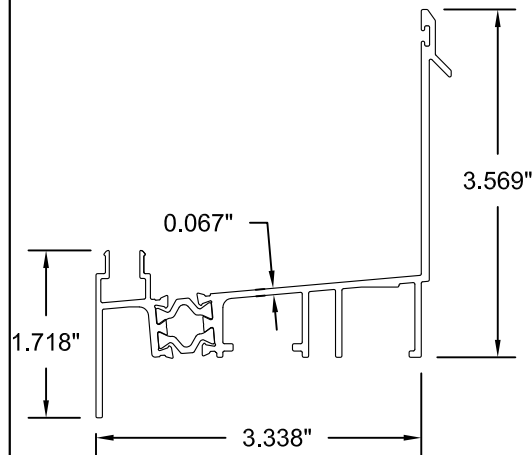
③ FRAME SILL EQUAL LEG
13940001



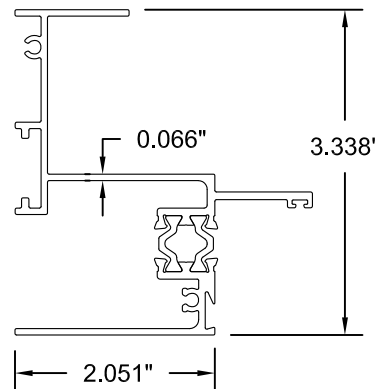
④ FRAME JAMB FLANGE
1394X005



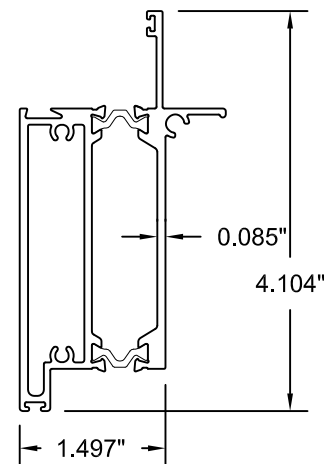
⑤ FRAME HEAD FLANGE
1394X002



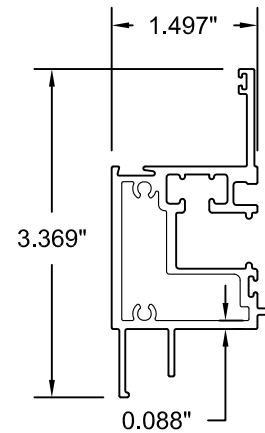
⑥ FRAME SILL FLANGE
13940002



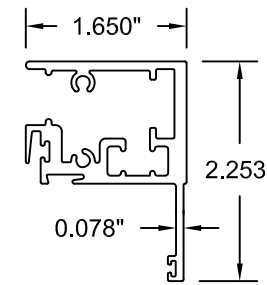
⑦ FRAME JAMB FIN
1349X006



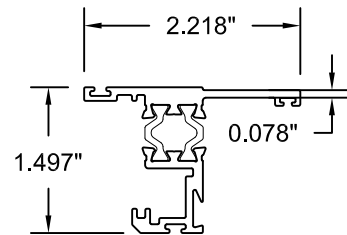
⑧ SASH BOTTOM RAIL
13940004



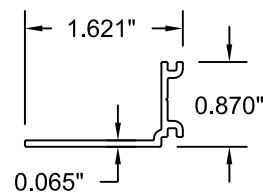
⑨ FIXED MEETING RAIL
1394X007



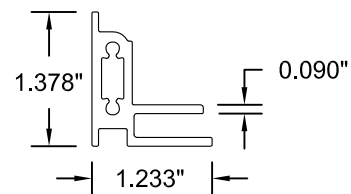
⑩ SASH MEETING RAIL
1394X010



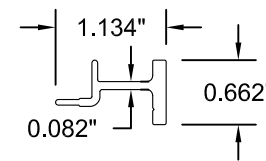
⑪ SASH STILE ASSEMBLY
13940005



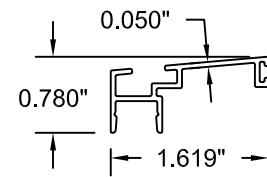
⑫ FIN ADAPTER
S-49332



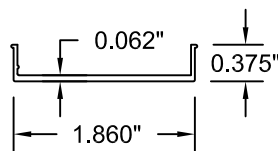
⑬ FIXED MTG. RAIL
REINFORCEMENT
1294X029



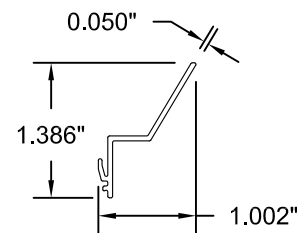
⑭ SASH TOP RAIL
REINFORCEMENT
1194X011



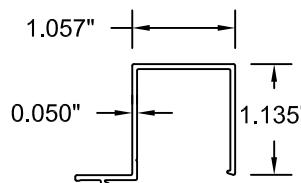
⑮ SILL SCREEN RETAINER
1194X009



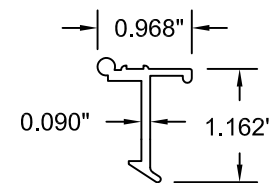
⑯ FRAME HEAD
SCREW COVER
1194X013



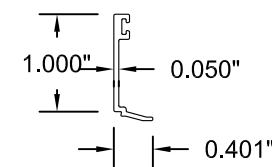
⑰A SCREEN ADAPTOR
17010415



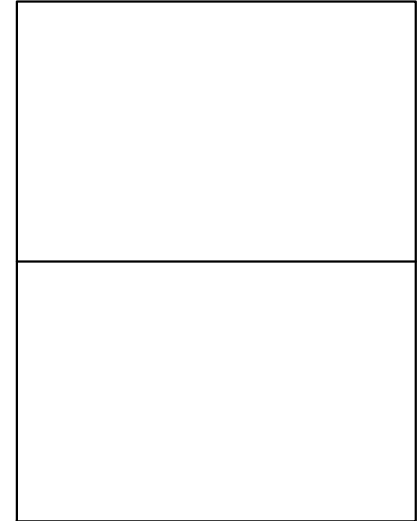
⑰B SCREEN ADAPTOR
1194X014



⑱ SILL SNAP LOCK
11007327

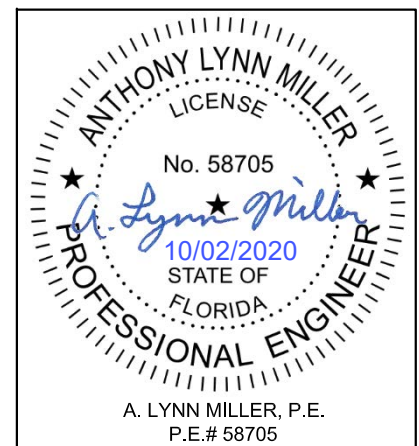


⑳ GLASS STOP
1194X012

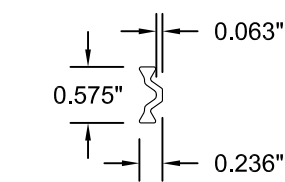


Revision: NO CHANGES THIS SHEET.

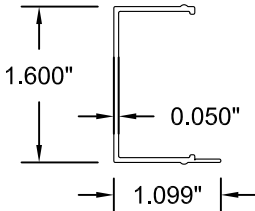
WINDOOR®		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296				
INCORPORATED						
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432		THERMALLY BROKEN ALUM. SINGLE HUNG (NI)			Date	09/30/20
EXTRUSIONS		ERIN KOSS				
		By			D	
		DWG			No.	9400 NI
10 OF 11					Rev.	
SH9400T					B	
Series		Sheet				



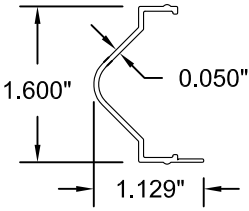
BILL OF MATERIALS			
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER (MAT.)
1	1349X004	FRAME JAMB EQUAL LEG	KEYMARK (ALUM. 6063-T6)
2	1394X001	FRAME HEAD EQUAL LEG	KEYMARK (ALUM. 6063-T6)
3	13940001	FRAME SILL EQUAL LEG	KEYMARK (ALUM. 6063-T6)
4	1394X005	FRAME JAMB FLANGE	KEYMARK (ALUM. 6063-T6)
5	1394X002	FRAME HEAD FLANGE	KEYMARK (ALUM. 6063-T6)
6	13940002	FRAME SILL FLANGE	KEYMARK (ALUM. 6063-T6)
7	1349X006	FRAME JAMB FIN	KEYMARK (ALUM. 6063-T6)
8	13940004	SASH BOTTOM RAIL	KEYMARK (ALUM. 6063-T6)
9	1394X007	FIXED MEETING RAIL	KEYMARK (ALUM. 6063-T6)
10	1394X010	SASH MEETING RAIL	KEYMARK (ALUM. 6063-T6)
11	13940005	SASH STILE ASSEMBLY	KEYMARK (ALUM. 6063-T6)
12	S-49332	FIN ADAPTER	KEYMARK (ALUM. 6063-T6)
13	1294X029	FIXED MTG. RAIL REINFORCEMENT	KEYMARK (ALUM. 6063-T6)
14	1194X011	SASH TOP RAIL REINFORCEMENT	KEYMARK (ALUM. 6063-T6)
15	1194X009	SILL SCREEN RETAINER	KEYMARK (ALUM. 6063-T6)
16	1194X013	FRAME HEAD SCREW COVER	KEYMARK (ALUM. 6063-T6)
17A	17010415	VERTICAL SCREEN ADAPTER	Team Plastics (VINYL)
17B	1194X014	SCREEN ADAPTER	KEYMARK (ALUM. 6063-T6)
18	11007327	SILL SNAP LOCK (OPTIONAL)	KEYMARK (ALUM. 6063-T6)
19	H4000-XX-SL202	SASH LOCK	
20		1" INSULATED GLASS - SEE SHEET 3	
21	15075	SASH GUIDE LEFT	
22	15074	SASH GUIDE RIGHT	
23	WA2L	WEEP GATE	PREFERRED ENGINEERING
24	15176	FOAM PAD - SILL AT JAMBS	
25	263400	9/16" THERMAL STRUT INSULBAR	ENSINGER (TECATHERM 66 GF)
26	1194X012	GLASS STOP	KEYMARK (ALUM. 6063-T6)
27	121005	GLAZING VINYL #5	TEAM PLASTICS (VINYL)
28	15071	SASH STOP	TEAM PLASTICS (VINYL)
29	15070	BALANCE COVER	TEAM PLASTICS (VINYL)
30	15072	DEBRIDGE COVER	TEAM PLASTICS (VINYL)



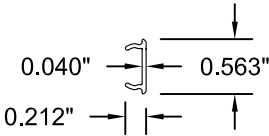
25 THERMAL STRUT
263400



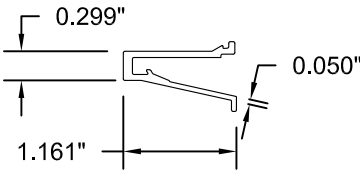
28 SASH STOP
15071



29 BALANCE COVER
15070



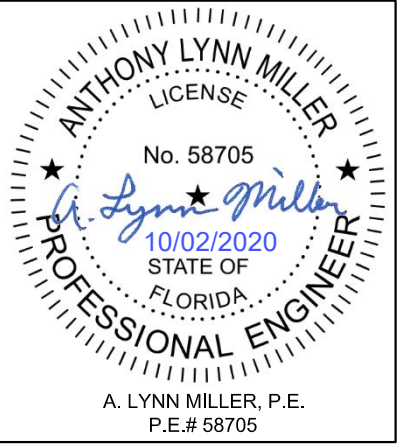
30 DEBRIDGE COVER
15072



31 THERMAL ISOLATOR
15073

BILL OF MATERIALS			
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER (MAT.)
31	15073	THERMAL ISOLATOR	TEAM PLASTICS (VINYL)
32		ULTRA LIFT SPIRAL BALANCE	CALDWELL
33	218237	BALANCE CARRIER	CALDWELL
34	11940006	ECO BALANCE SASH BRACKET	SELJAN
35	S4000-XX-150	SCREEN FRAME	KEYMARK (ALUM. 6063-T6)
36	S4000-BL-SC	SCREEN CORNERS	
37	S4000-SS-027	SCREEN WIRE LIFT	
38	900187	SCREEN TENSION SPRING	
39	SBVXX-BL-0600Z	SCREEN MESH	
40	S0010-BL-2200R	SCREEN SPLINE	
41	121998	0.187" W X 0.200" H FIN WEATHERSTRIP	ULTRAFAB
42	W4000-BL-20218	0.187" W X 0.300" H PROLON WEATHERSTRIP	ULTRAFAB
43	W4070-BL-W2	CLOSED CELL FOAM PAD	FRANK LOWE
44	122023	0.810" W X 0.700" L X 0.240" H WOOLPILE PAD	ULTRAFAB
45	131096	#6 X 3/4" FLAT HEAD TYPE A PAINTED SASH LOCK SCREWS	
46	131014	#8 X 1" PAN HEAD SQUARE DRIVE LEAD POINT CORNER ASSEMBLY SCREWS	
47	131085	#8 X 1" FLAT HEAD BALANCE SCREWS TYPE A	
48		#12 PAN HEAD INSTALLATION SCREWS	
49	121104	GLASS SHIM DUROMETER 85	FRANK LOWE (2RB-89-0250-024-032)
50		SIKA 552, DOW 791, DOW 983	SIKA / DOW (POLYURETHANE/SILICONE)
51		SPACER	

WINDOOR® INCORPORATED		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296			
WINDOOR INCORPORATED 104 TRIPLE DIAMOND BLVD. NORTH VENICE, FL 34275 (833) 554-5432		THERMALLY BROKEN ALUM. SINGLE HUNG (NI)		Date	09/30/20
BOM & EXTRUSIONS		ERIN KOSS			
SH9400T		Sheet	11 OF 11	DWG No.	9400 NI
				Rev.	B



Revision:	ADDED DOW 791 & DOW 983 TO BOM.