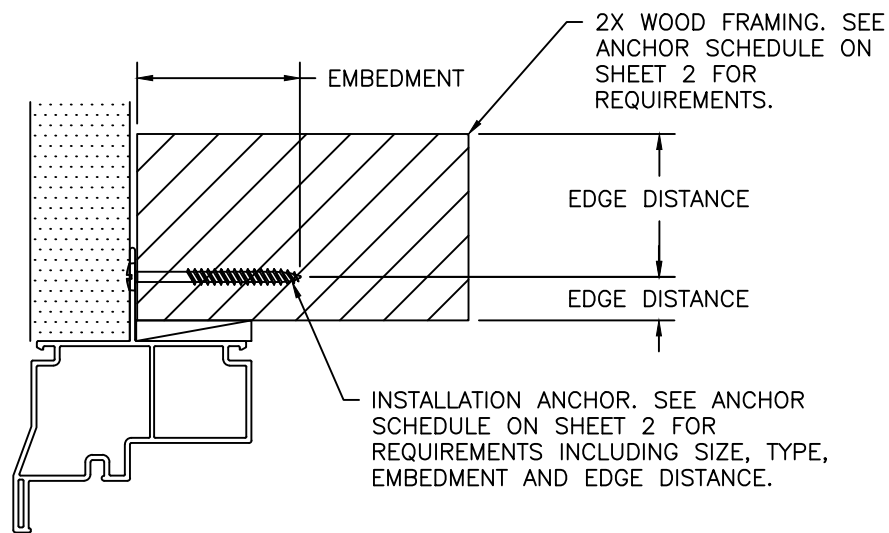


INSTALLATION ANCHOR SCHEDULE

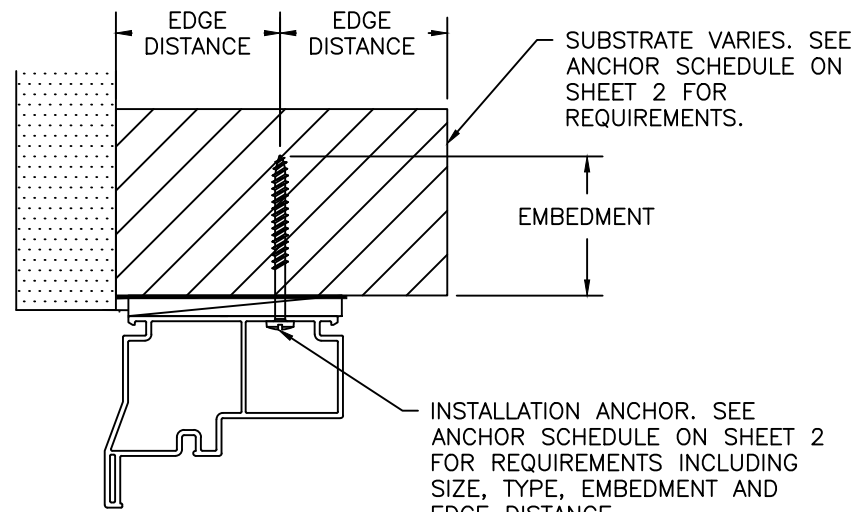
INSTALLATION TYPE	SECTION VIEW	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	MIN. SPACING (IN) BETWEEN FRAME ANCHORS	ANCHOR CAPACITIES BASED ON
THROUGH FRAME ANCHOR	SECTION A, B & C (SHEETS 9)	HEX HEAD	3/16"	CONCRETE	ITW TAPCONS (1)	1	1-1/8	3	MIN. 2500 PSI CONCRETE
				MASONRY (BLOCK/CMU)	ITW TAPCONS (1)	1	2	3	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT
		PAN HEAD	No. 10	WOOD	ANSI B18.6.1 (WOOD SCREW) (2) GRADE 2 EQUIVALENT ASME B18.6.4 (TAPPING SCREW) (2) GRADE 2 EQUIVALENT	1-3/8	3/4	2 1/2	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42.
SNAP-ON FLANGE WITH THROUGH FRAME ANCHOR	SECTION A, B & C (SHEETS 8)	HEX HEAD	3/16"	CONCRETE	ITW TAPCONS (1)	1	1-1/8	3	MIN. 2500 PSI CONCRETE
				MASONRY (BLOCK/CMU)	ITW TAPCONS (1)	1	2	3	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT
		PAN HEAD	No. 10	WOOD	ANSI B18.6.1 (WOOD SCREW) (2) GRADE 2 EQUIVALENT ASME B18.6.4 (TAPPING SCREW) (2) GRADE 2 EQUIVALENT	1-3/8	3/4	2 1/2	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42.
NAILING FIN ANCHOR	SECTION A, B & C (SHEETS 7)	PAN HEAD	No. 8	WOOD	ANSI B18.6.1 (WOOD SCREW) (3) GRADE 2 EQUIVALENT	1-5/8	1/4	1	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42.
					ASME B18.6.4 (TAPPING SCREW) (3) GRADE 2 EQUIVALENT				

NOTES:

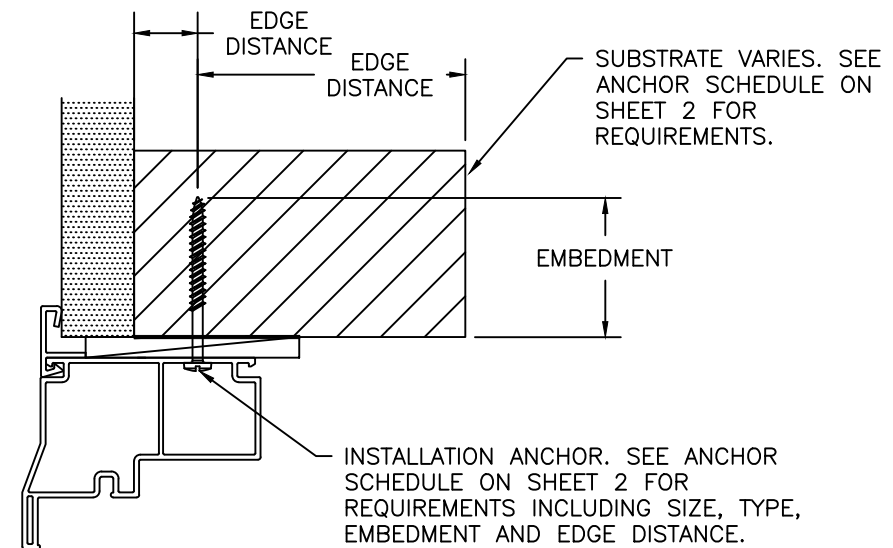
- 1) WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE.
- 2) FOR WOOD SCREW INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 0.090" PILOT HOLE (DRILL SIZE 43). FOR TAPPING SCREW INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 0.121" PILOT HOLE (DRILL SIZE 31).
- 3) FOR WOOD OR TAPPING SCREW INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 0.082" PILOT HOLE (DRILL SIZE 45).



EMBEDMENT AND EDGE DISTANCE
NAILING FIN FRAME INSTALLATION



EMBEDMENT AND EDGE DISTANCE
THROUGH-FRAME INSTALLATION



EMBEDMENT AND EDGE DISTANCE
SNAP-ON FLANGE THROUGH-FRAME INSTALLATION

PROJECT # 419-0901

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

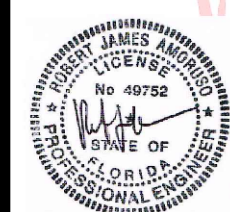
TITLE: SERIES 8500 VINYL SINGLE HUNG WINDOW - TWIN & TRIPLE ANCHOR SCHEDULE - EMBEDMENT & EDGE DISTANCE

PREPARED BY: RJA
SCALE: N.T.S.
REV: First Issue

DATE: 12/11/19
DRAWING NO: RWD0018
SHEET: 2 OF 11



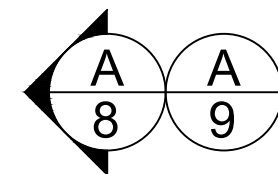
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



Digitally signed by Robert J Amoruso
Date: 2019.12.11 15:18:53 -05'00'

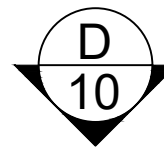
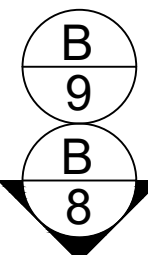
12 3/4" O.C. SPACING (TYP.)
 +/-1" TOL. (TYP.)
 4" MAX. (TYP.)

THRU-FRAME INSTALLATION ANCHOR
 SHOWN. SEE ANCHOR SCHEDULE ON
 SHEET 1.



DENOTES THROUGH
 FRAME ANCHOR
 LOCATION

14 1/2" O.C. SPACING,
 +/-1" TOL. (TYP.)



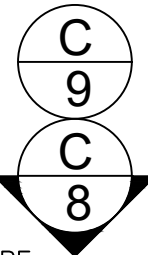
43 1/4" FIXED LITE
 WIDTH D.L.O.

43 1/4" FIXED LITE
 WIDTH D.L.O.

32 1/4" FIXED LITE
 HEIGHT D.L.O.

72" MAX. FRAME HEIGHT

6" O.C. SPACING
 CENTERED ABOUT
 MEETING/LOCK RAIL
 CENTERLINE
 +/- 2" TOL. (TYP.) **



42 3/8" SASH
 WIDTH D.L.O.

42 3/8" SASH
 WIDTH D.L.O.

32" SASH
 HEIGHT D.L.O.

35" MAX.
 SASH HEIGHT

** ANCHORS NEAR
 MEETING RAIL SHALL BE
 LOCATED AS REQUIRED
 TO FACILITATE
 INSTALLATION.

4" MAX. (TYP.)

45 1/2" MAX. SASH WIDTH

45 1/2" MAX. SASH WIDTH

48" MAX. WINDOW WIDTH

48" MAX. WINDOW WIDTH

96 1/2" MAX. FRAME WIDTH

SERIES 8500 VINYL TWIN SINGLE HUNG WINDOW
 EXTERIOR VIEW - EQUAL LITE WINDOW (97" X 72" NOMINAL SIZE SHOWN)

PROJECT # 419-0901

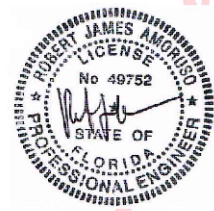
RENAISSANCE WINDOWS AND DOORS
 13340 INTERNATIONAL PARKWAY
 JACKSONVILLE, FL 32218

TITLE: SERIES 8500 VINYL SINGLE HUNG WINDOW - TWIN & TRIPLE
 97" x 72" WINDOW ELEVATION/THRU FRAME ANCHORING LAYOUT

PREPARED BY:	DATE:	DRAWING NO.:	SHEET:
RJA	12/11/19	RWD0018	4 OF 11
SCALE:	REV:	DESCRIPTION	DATE
N.T.S.	First Issue		BY



Robert J. Amoruso, P.E.
 Florida P.E. No. 49752

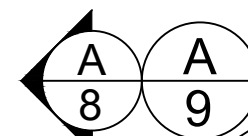


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 Robert J
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 Date:
 2019.12.11
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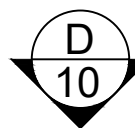
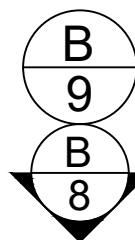
12 5/8" O.C. SPACING (TYP.)
+/-1" TOL. (TYP.)

4" MAX. (TYP.)

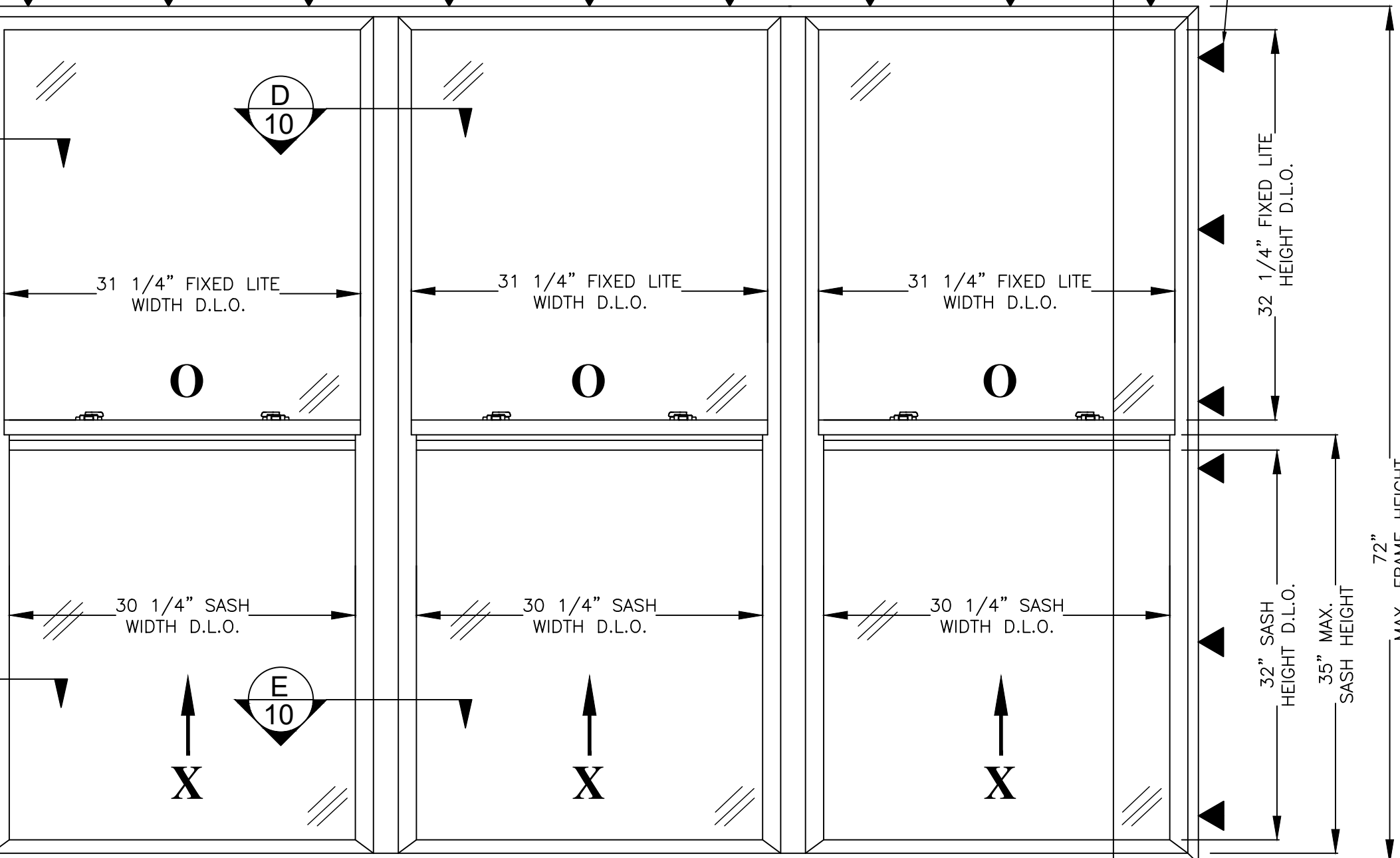
THRU-FRAME INSTALLATION ANCHOR
SHOWN. SEE ANCHOR SCHEDULE ON
SHEET 1.



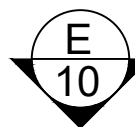
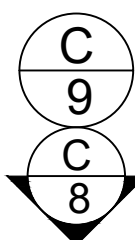
DENOTES THROUGH
FRAME ANCHOR
LOCATION



14 1/2" O.C. SPACING,
+/-1" TOL. (TYP.)



6" O.C. SPACING
CENTERED ABOUT
MEETING/LOCK RAIL
CENTERLINE
+/- 2" TOL. (TYP.) **



** ANCHORS NEAR
MEETING RAIL SHALL BE
LOCATED AS REQUIRED
TO FACILITATE
INSTALLATION.

4" MAX. (TYP.)

PROJECT # 419-0901

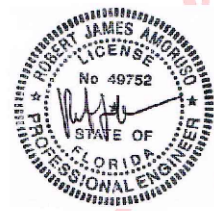
RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

TITLE: SERIES 8500 VINYL SINGLE HUNG WINDOW - TWIN & TRIPLE
109" x 72" WINDOW ELEVATION/THRU FRAME ANCHORING LAYOUT

PREPARED BY:	DATE:	DRAWING NO.:	SHEET:
RJA	12/11/19	RWD0018	6 OF 11
SCALE:	REV:	DESCRIPTION	DATE
N.T.S.	First Issue		

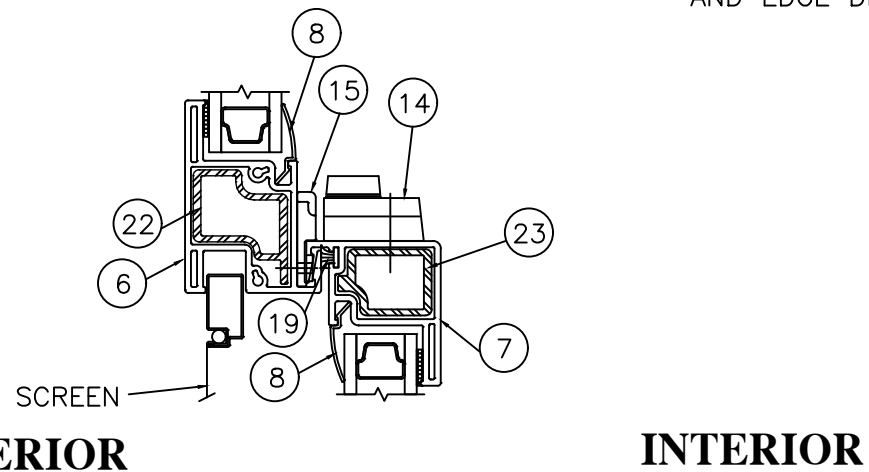
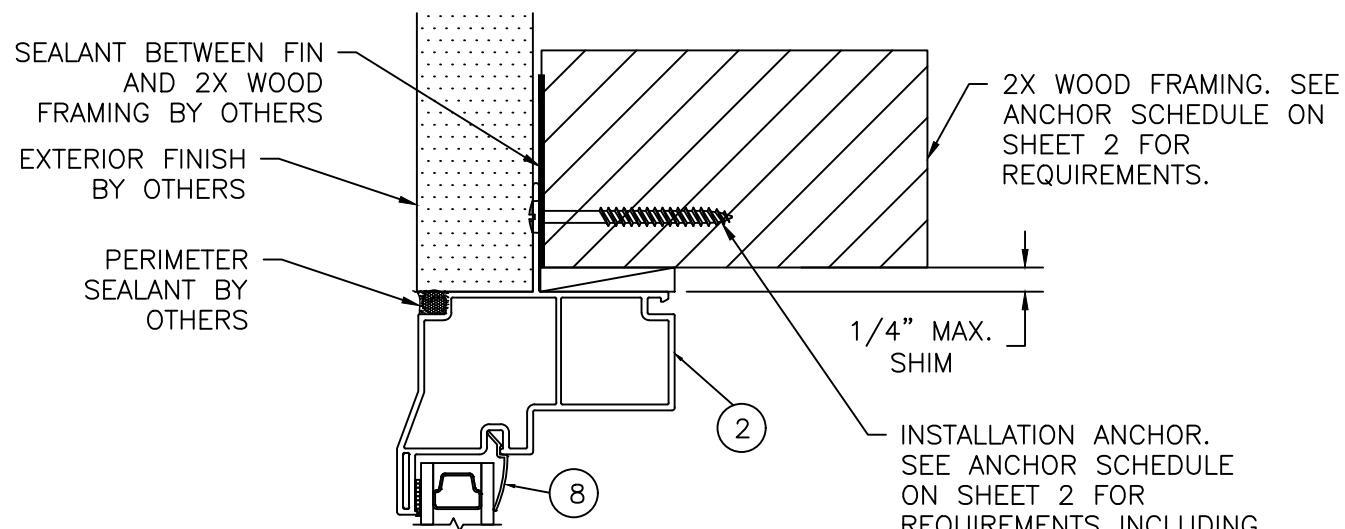


Robert J. Amoruso, P.E.
Florida P.E. No. 49752

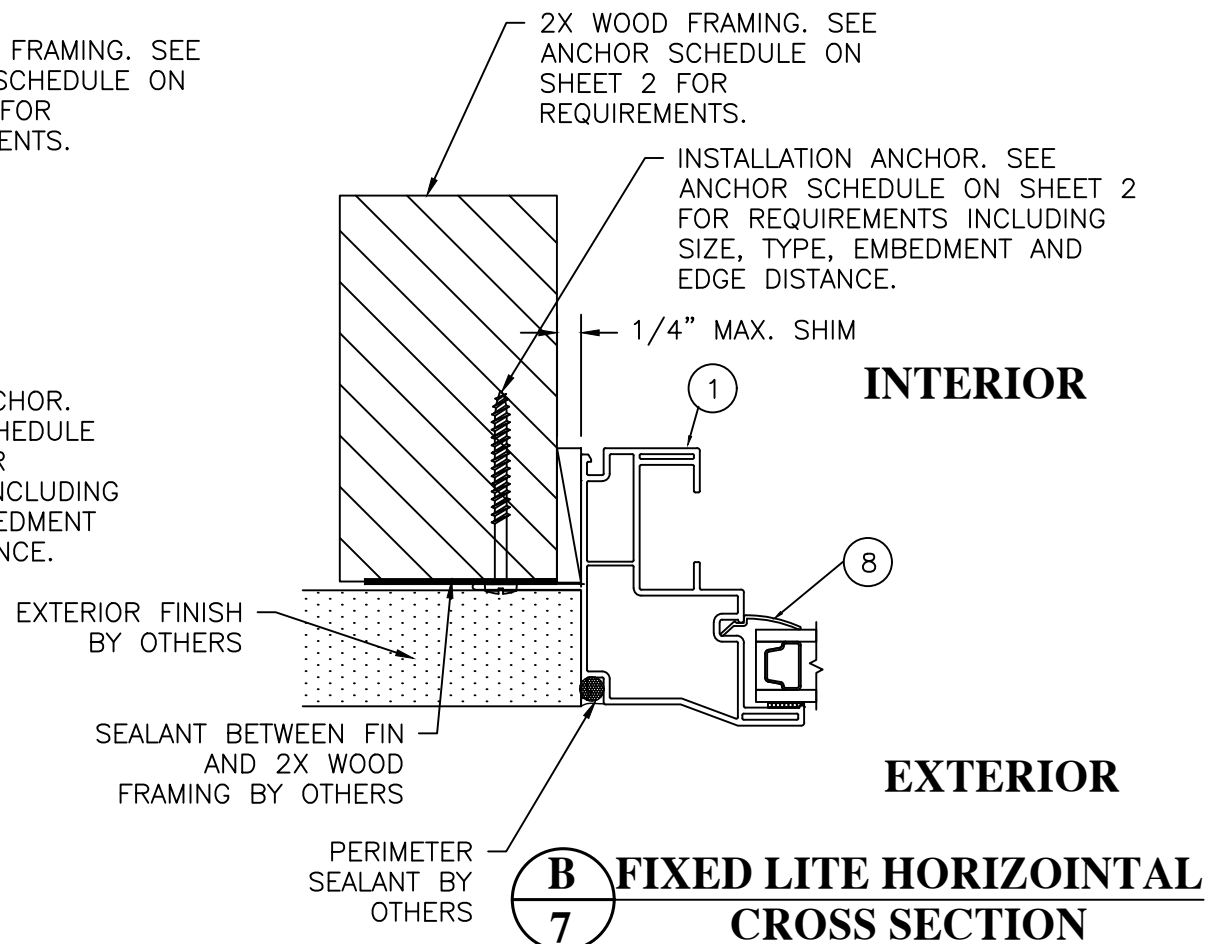
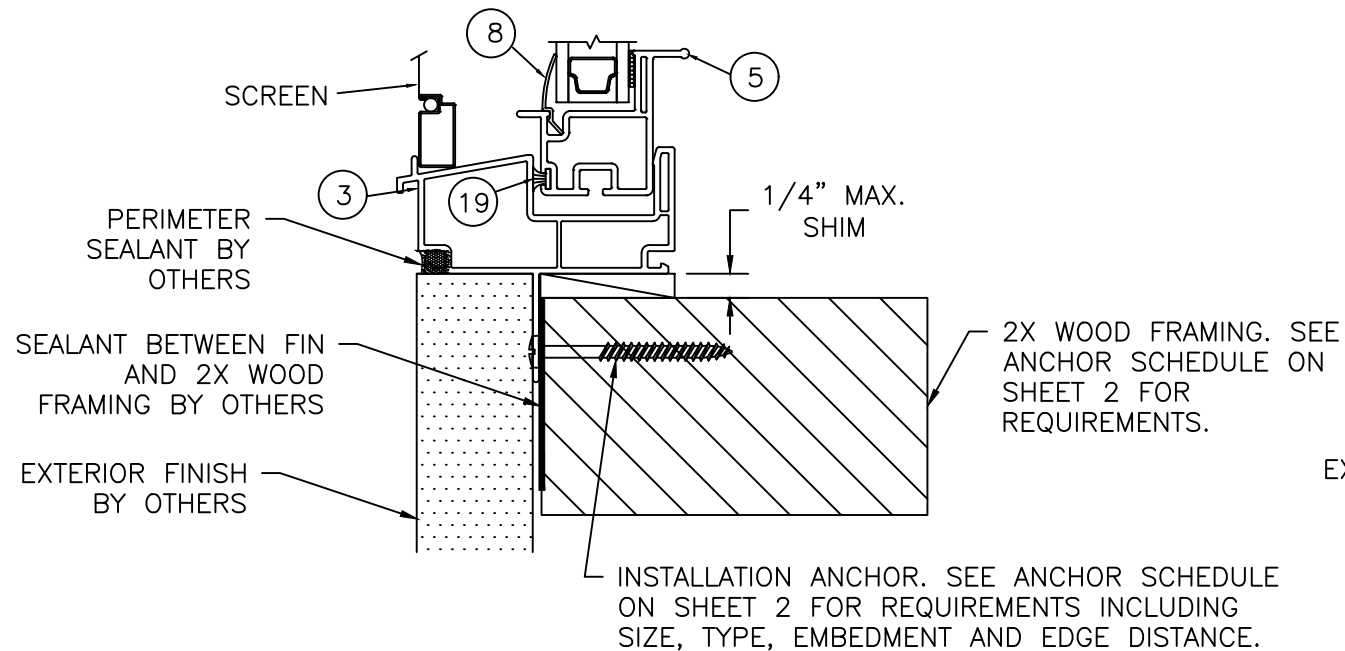


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Amoruso
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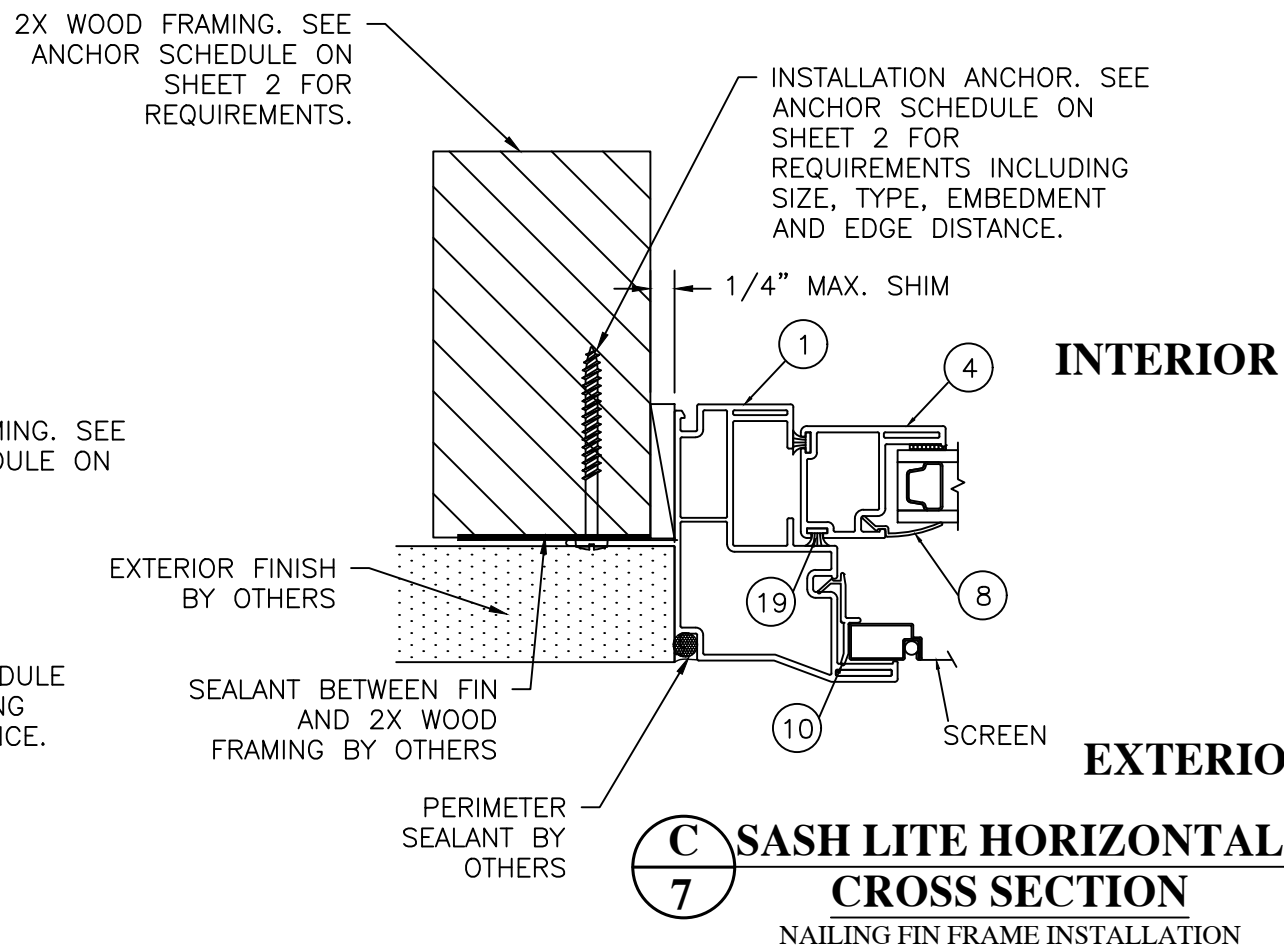
SERIES 8500 VINYL TRIPLE SINGLE HUNG WINDOW
EXTERIOR VIEW - EQUAL LITE WINDOW 109" X 72" NOMINAL SIZE SHOWN)



A
7
VERTICAL CROSS SECTION
NAILING FIN FRAME INSTALLATION



B
7
FIXED LITE HORIZONTAL CROSS SECTION
NAILING FIN FRAME INSTALLATION



C
7
SASH LITE HORIZONTAL CROSS SECTION
NAILING FIN FRAME INSTALLATION

PROJECT # 419-0901

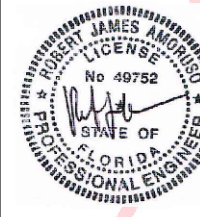
RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

TITLE: SERIES 8500 VINYL SINGLE HUNG WINDOW - TWIN & TRIPLE
NAILING FIN (FIN FRAME) INSTALLATION

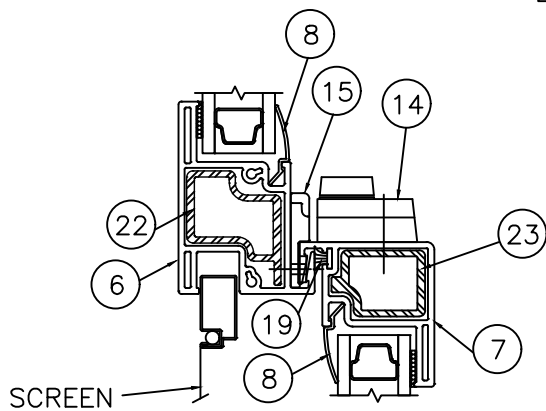
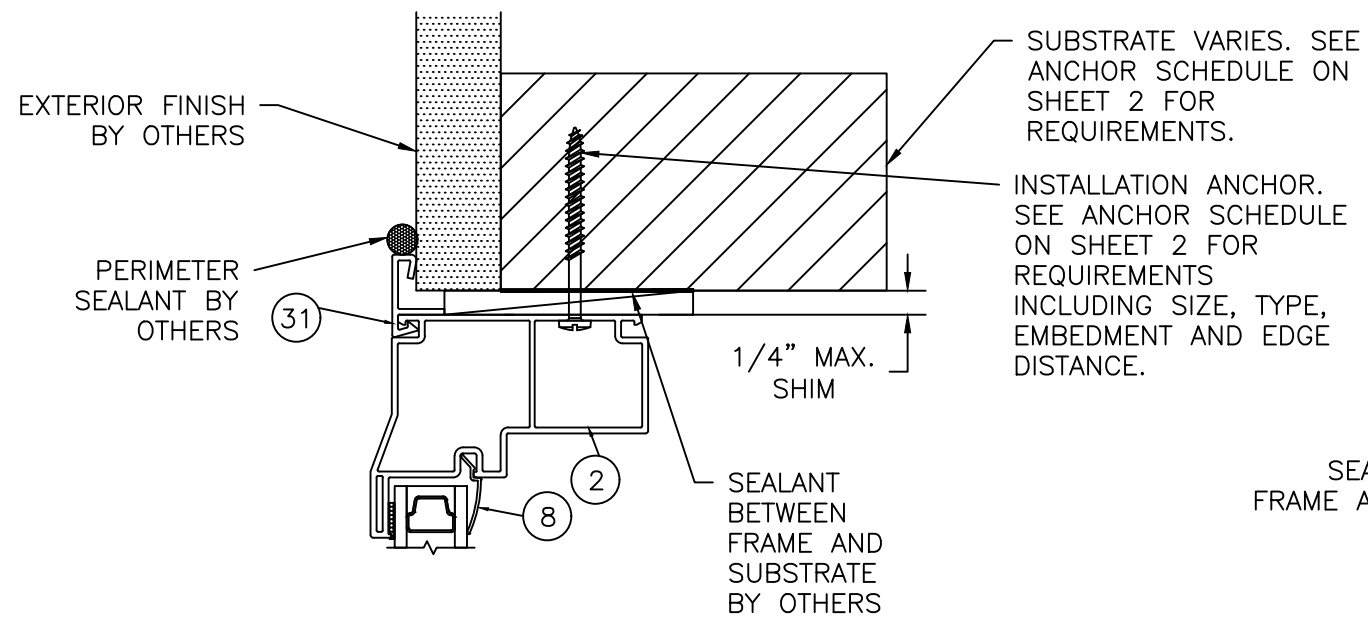
DRAWN BY:	RJA	DATE:	12/11/19
SCALE:	N.T.S.	DRAWING NO.:	RWDD0018
REV:	First Issue	SHEET:	7 OF 11

PREPARED BY: **PFC**
PFC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FL 32752
PHONE: 321.690.1788
FAX: 321.690.1789
EMAIL: info@pfc-corp.com

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Florida P.E. No. 49752

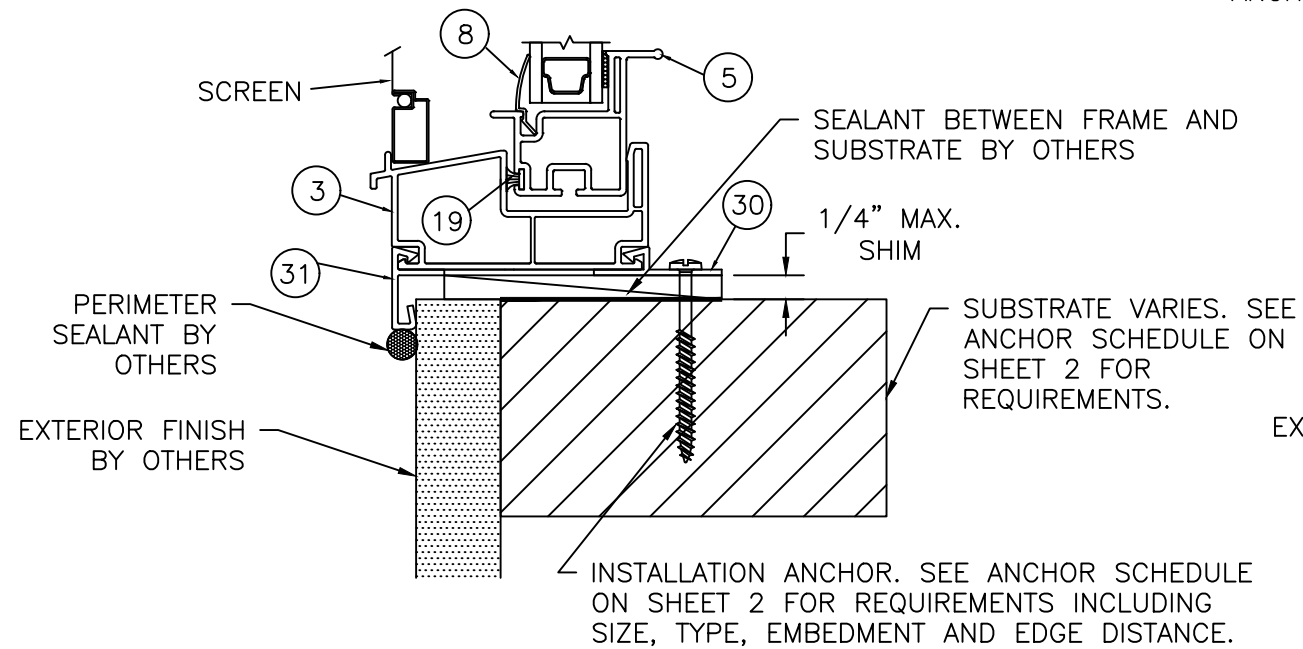


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Robert J Amoruso
Date:
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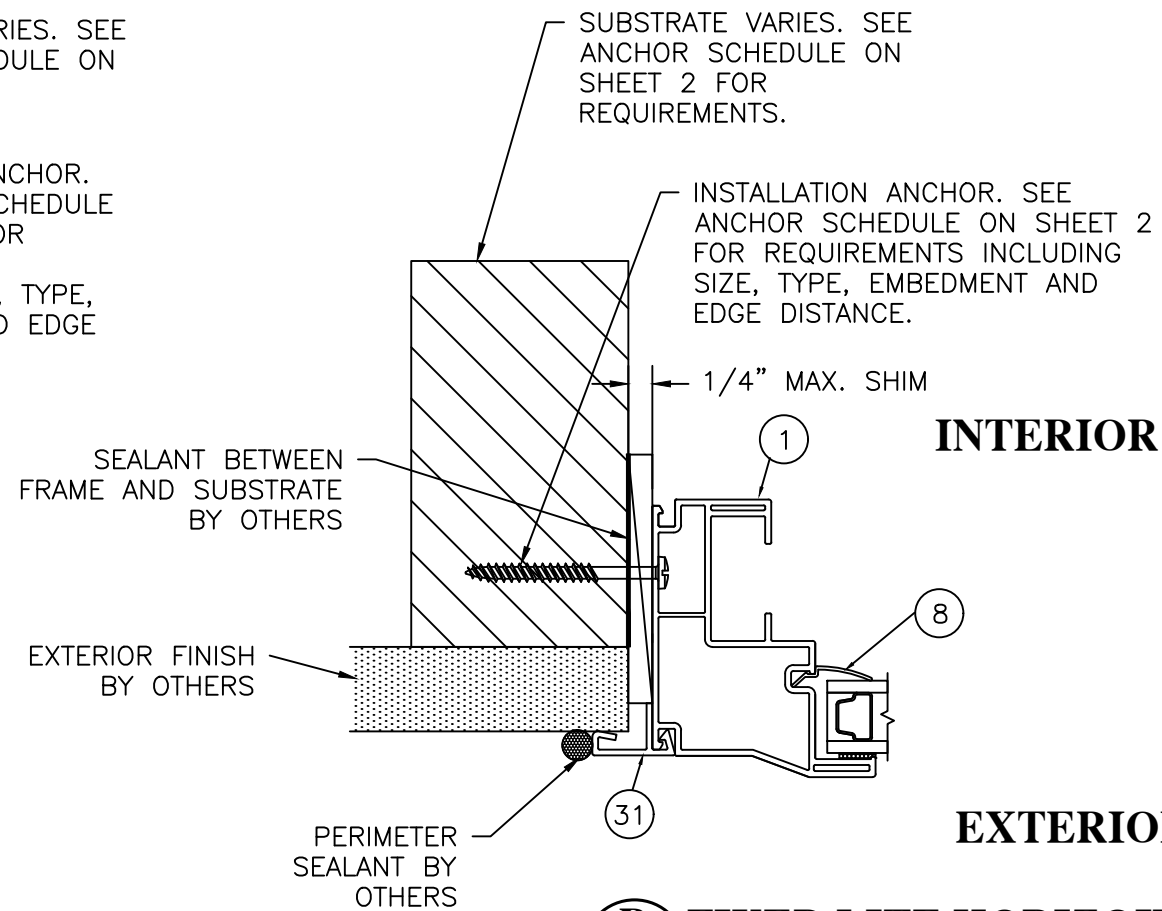


EXTERIOR

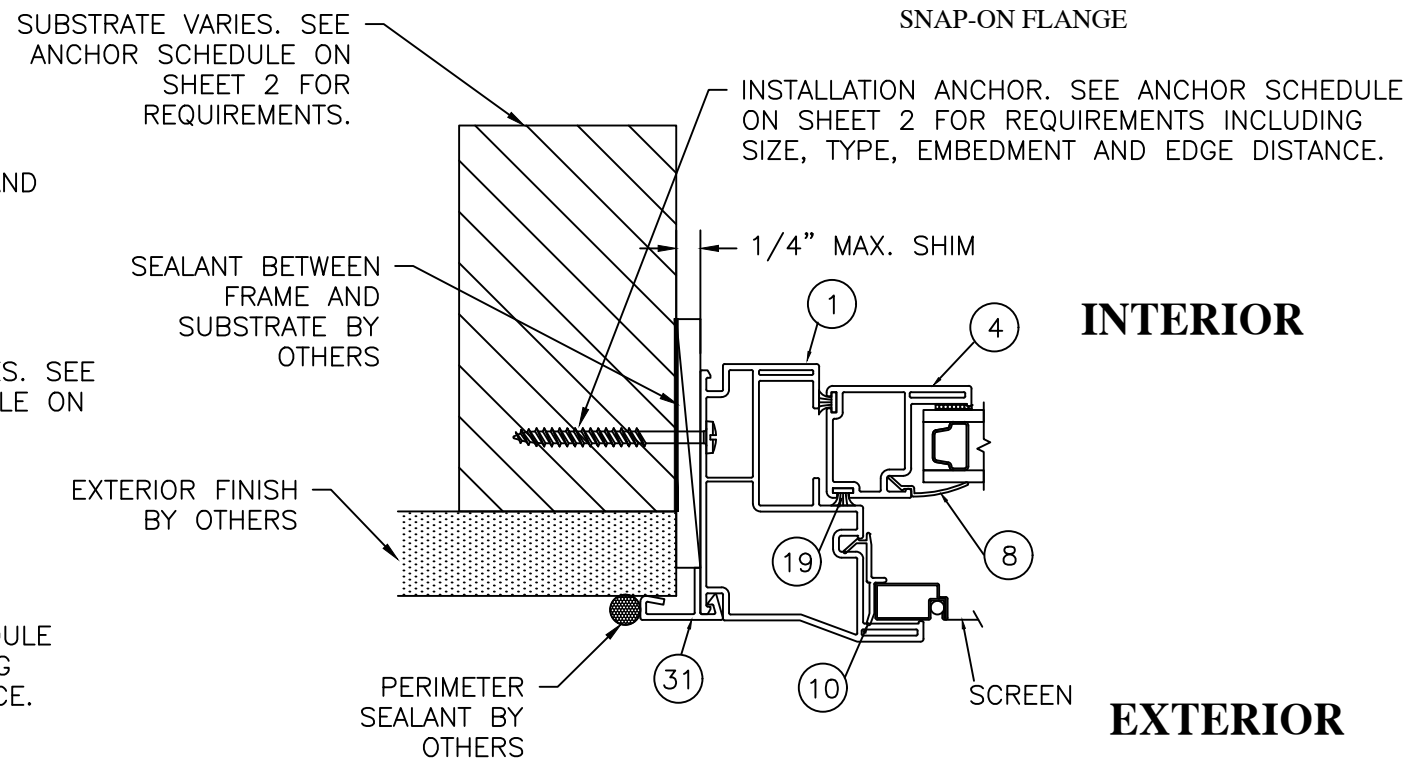
INTERIOR



A
8 **VERTICAL CROSS SECTION**
THROUGH-FRAME INSTALLATION
SNAP-ON FLANGE



B
8 **FIXED LITE HORIZONTAL CROSS SECTION**
THROUGH-FRAME INSTALLATION
SNAP-ON FLANGE



C
8 **SASH LITE HORIZONTAL CROSS SECTION**
THROUGH-FRAME INSTALLATION
SNAP-ON FLANGE

PROJECT # 419-0901

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

TITLE: SERIES 8500 VINYL SINGLE HUNG WINDOW - TWIN & TRIPLE THROUGH FRAME INSTALLATION W/FLANGE

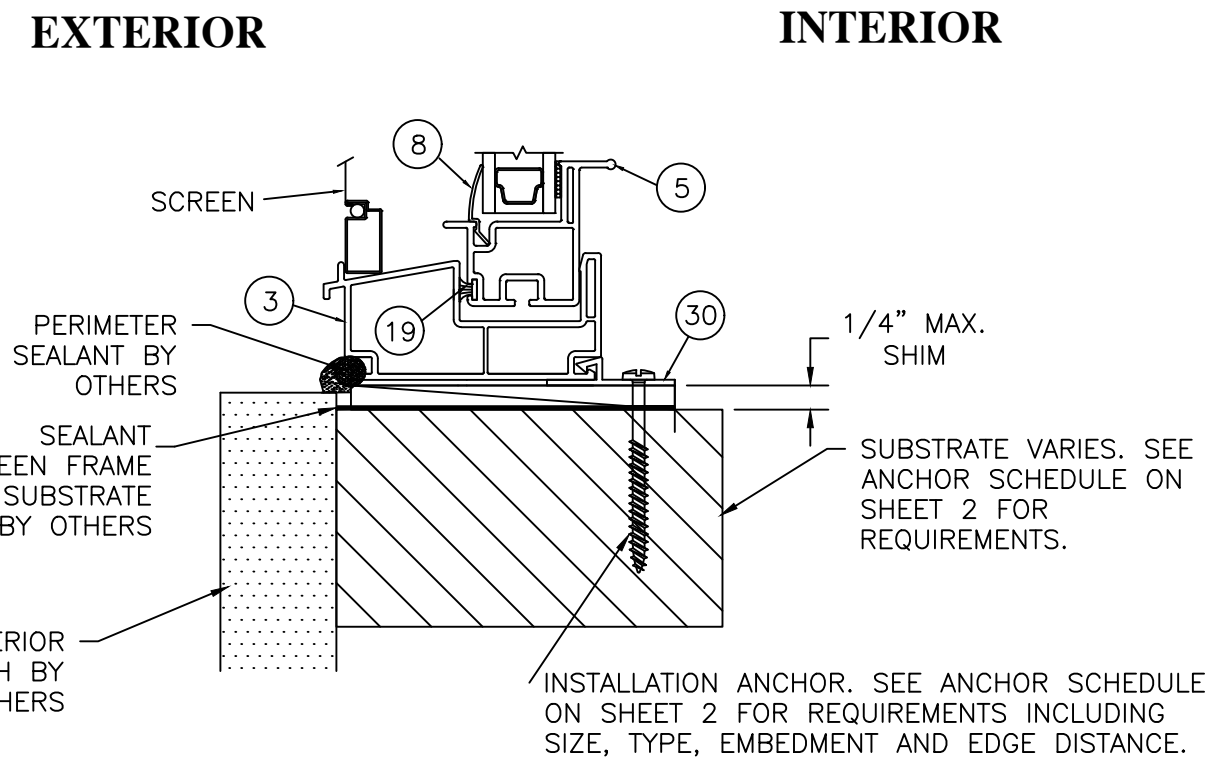
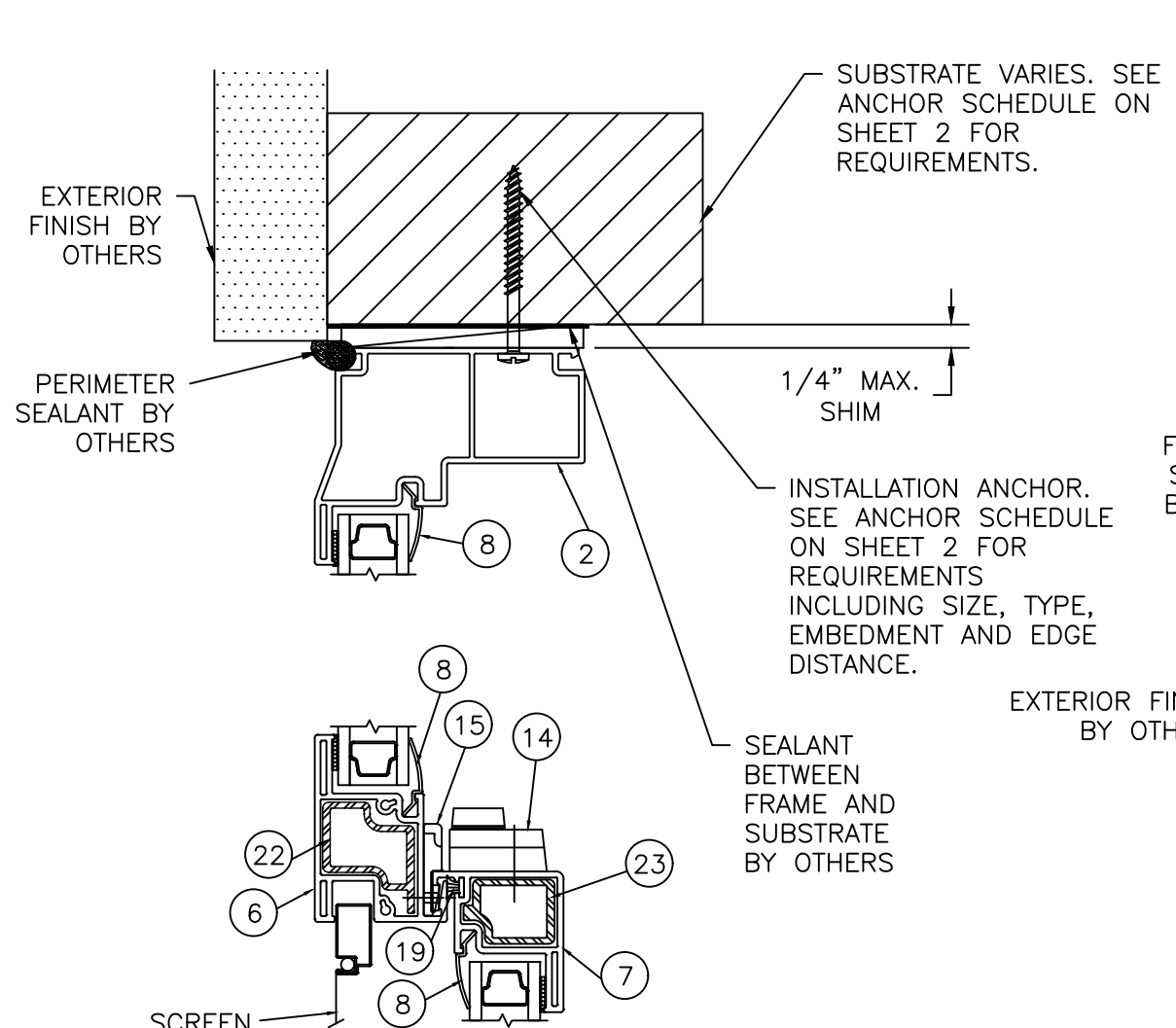
DATE:	12/11/19
DRAWING NO.:	RWD0018
DRAWN BY:	RJA
SCALE:	N.T.S.
REV:	8 OF 11
DESCRIPTION	First Issue

BY DATE REV

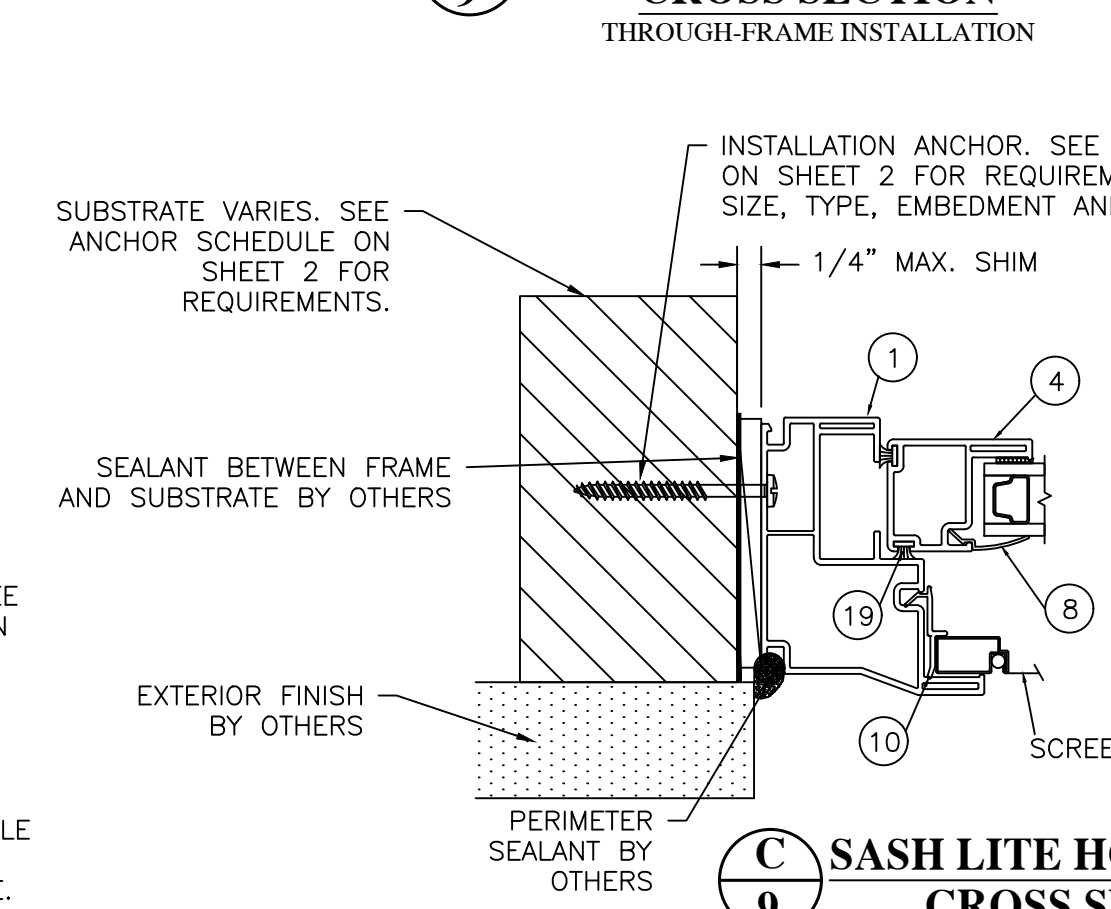
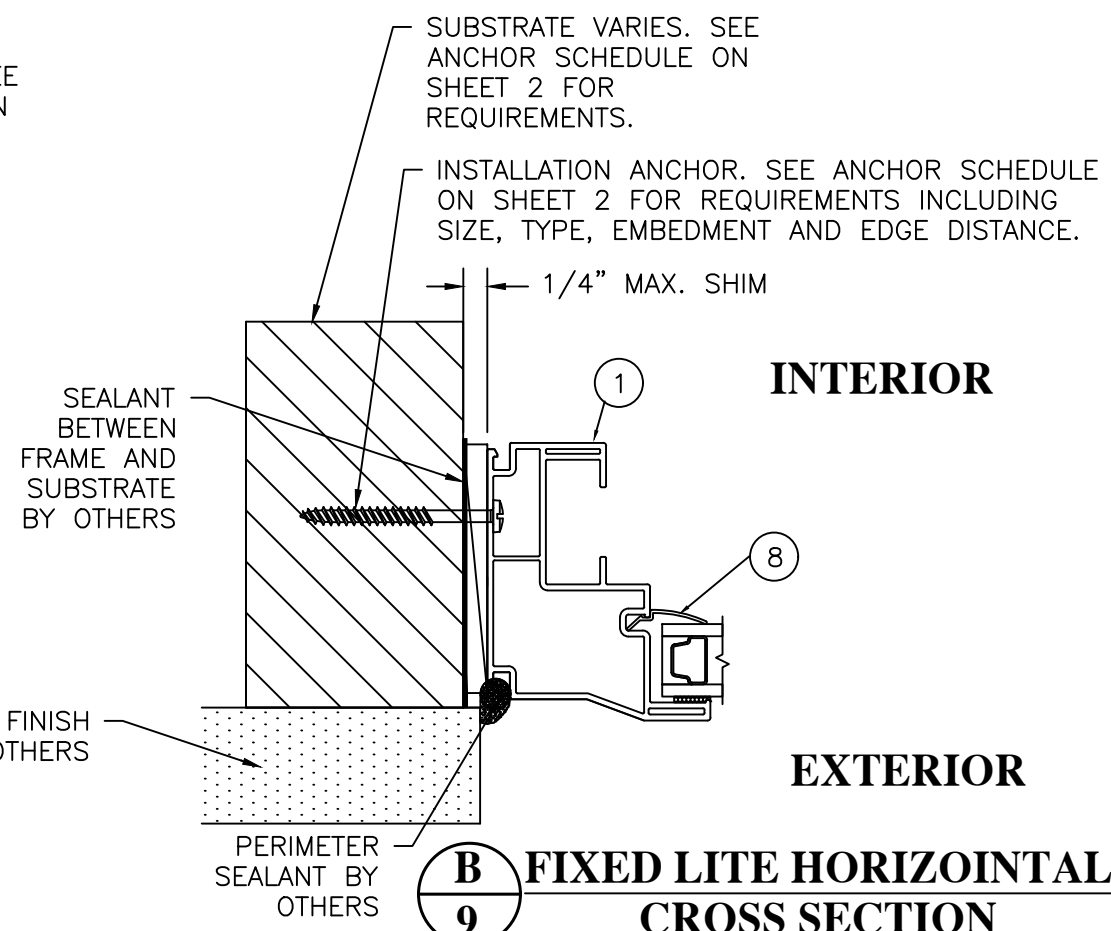
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



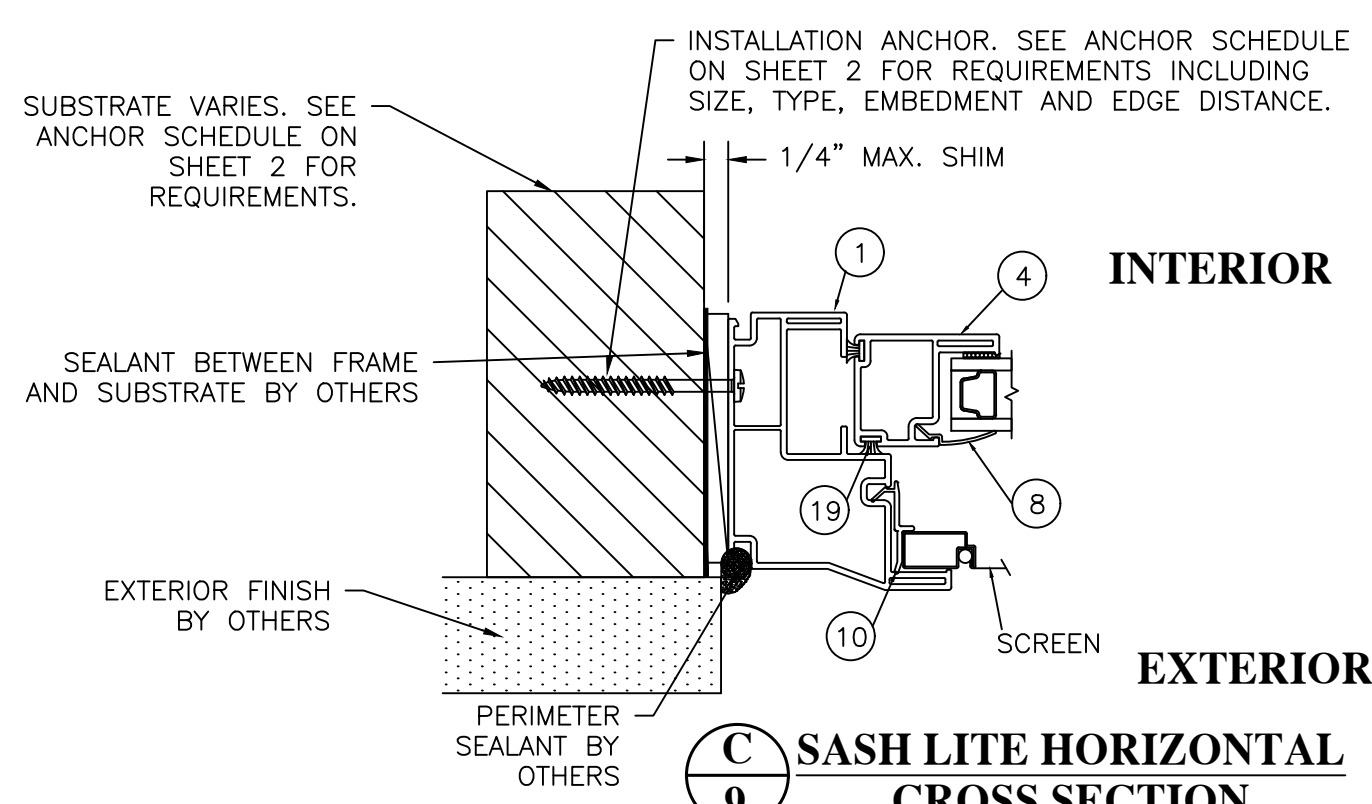
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A
VERTICAL CROSS SECTION
9
THROUGH-FRAME INSTALLATION



B
FIXED LITE HORIZONTAL
9
CROSS SECTION
THROUGH-FRAME INSTALLATION



C
SASH LITE HORIZONTAL
9
CROSS SECTION
THROUGH-FRAME INSTALLATION

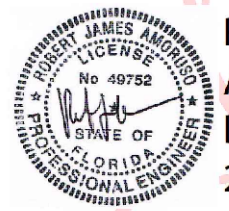
PROJECT # 419-0901

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

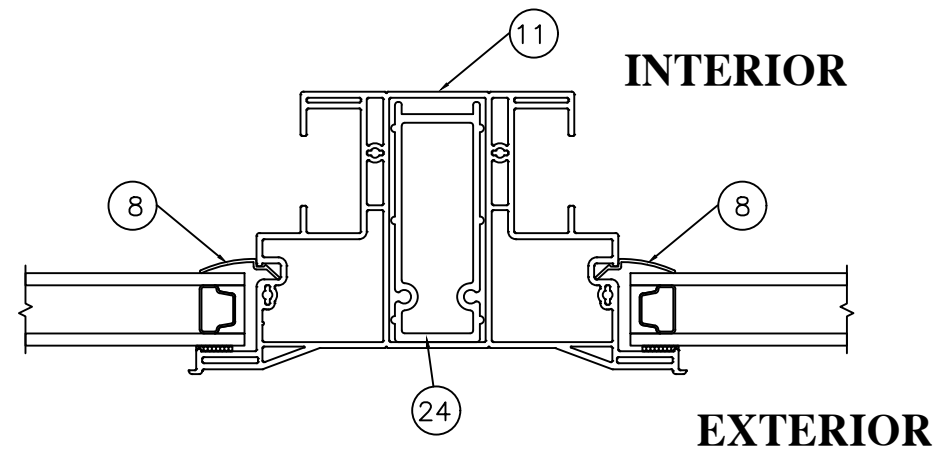
TITLE: SERIES 8500 VINYL SINGLE HUNG WINDOW - TWIN & TRIPLE THROUGH FRAME INSTALLATION

DATE:	12/11/19
DRAWING NO.:	RWD0018
SCALE:	N.T.S.
REV.:	9 OF 11
DESCRIPTION	DATE
BY	

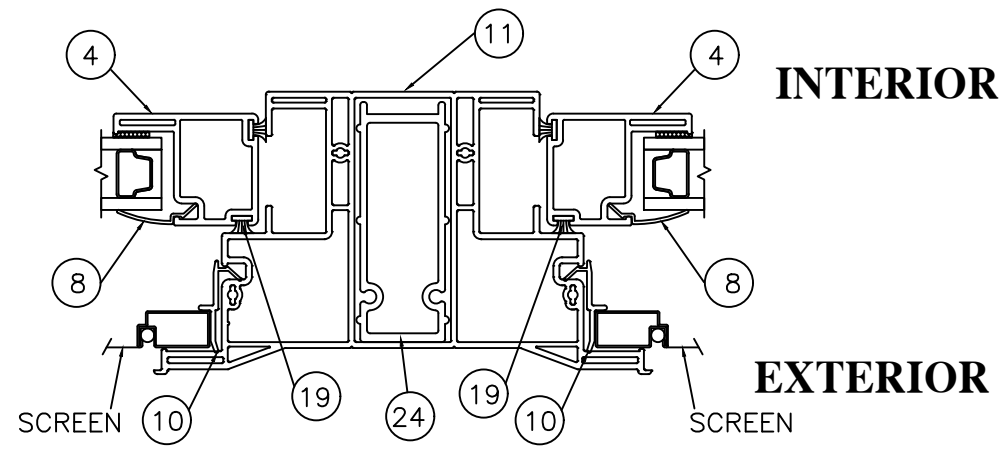
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Florida P.E. No. 49752



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Date:
2019.12.11
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D **FIXED LITE HORIZONTAL**
10 **CROSS SECTION**
 INTERMEDIATE JAMB - TSH T-BAR



E **SASH LITE HORIZONTAL**
10 **CROSS SECTION**
 INTERMEDIATE JAMB - TSH T-BAR

PROJECT # 419-0901

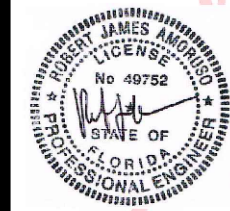
RENAISSANCE WINDOWS AND DOORS
 13340 INTERNATIONAL PARKWAY
 JACKSONVILLE, FL 32218

TITLE: SERIES 8500 VINYL SINGLE HUNG WINDOW - TWIN & TRIPLE
 INTEGRAL MULLION SECTIONS

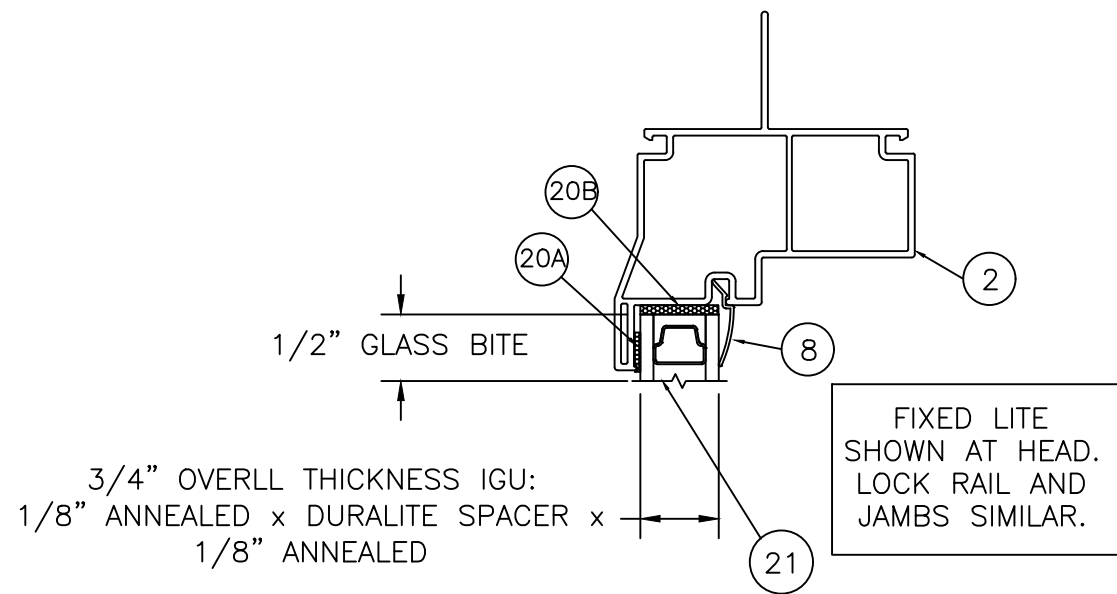
DRAWN BY:	RJA	DATE:	12/11/19
SCALE:	N.T.S.	DRAWING NO.:	RWD0018
REV:	First Issue	SHEET:	10 OF 11



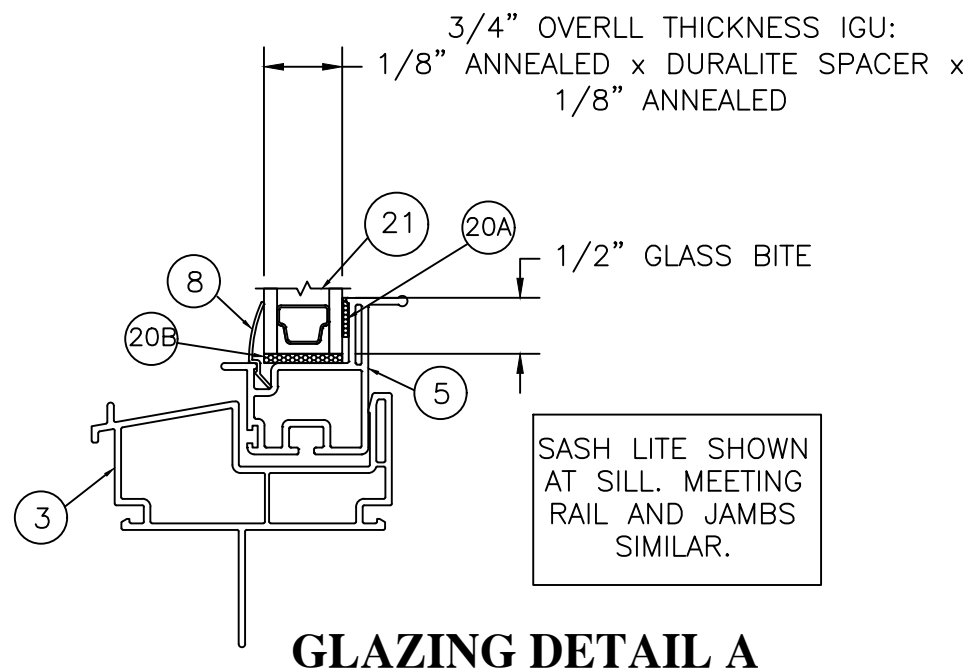
Robert J. Amoruso, P.E.
 Florida P.E. No. 49752



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GLAZING DETAIL A



GLAZING DETAIL A

NOTES:

1. A MINIMUM OF TWO (2) NEOPRENE SETTING BLOCKS WITH 70 TO 90 SHORE A DUROMETER HARDNESS ARE REQUIRED AT BOTTOM (SILL) OF GLAZING LITES MORE THAN 3 FEET IN WIDTH.
2. AS-TESTED IGU SYSTEM SHOWN. SUBSTITUTIONS ARE ALLOWED IN ACCORDANCE WITH AAMA/WDMA/CSA 101/I.S. 2/A440-11, SECTIONS 10.2.3.2 AND 10.2.3.4. SEE SHEET 1 FOR DETAILS RELATED TO WINDOW SIZE / GLAZING DETAIL / DESIGN PRESSURE.

BILL OF MATERIALS 8500 SERIES SH - TWIN AND TRIPLE			
BOM NO.	PART NO.	DESCRIPTION	REMARKS
1	7867	JAMB	PVC
2	7868	HEAD	PVC
3	7869	SILL	PVC
4	7863	VENT STILE	PVC
5	7866	VENT RAIL - SILL	PVC
6	7864	FIXED INTERLOCK	PVC
7	7865	VENT INTERLOCK	PVC
8	6177	GLAZING BEAD	PVC
9	6555	SETTING BLOCK	NOT SHOWN
10	7871	SCREEN LOCK	PVC
11	7988	TSH T-BAR	PVC
HARDWARE			
12	9208	BASE	NOT SHOWN
13	9202	LEVER	NOT SHOWN
14	9203	CAM	
15	9659	KEEPER	
16	677204	CAM LOCK (OPTIONAL)	NOT SHOWN
17	677133	KEEPER (OPTIONAL)	NOT SHOWN
18	110-5/MRBLCK	MEETING RAIL BLOCK	Apply 7864 to 7988 T-Bar
WEATHERSTRIPPNG			
19		WEATHERSTRIP	.187 x .230 FIN PILE
GLAZING			
20A		FOAM TAPE BACK-BEDDING	
20B		SILICONE	
21	GLAZING DETAIL A	3/4" OVERLL THICKNESS IGU	
REINFORCEMENT			
22	RNFCHK	FIXED REINFORCEMENT	ALUMINUM 6063-T5
23	RNFVNT	VENT REINFORCEMENT	ALUMINUM 6063-T5
24	8632.1	TSH T-BAR REINFORCEMENT	ALUMINUM 6063-T5
BALANCE AND TILT COMPONENTS			
25	700 SERIES	BALANCE (CONSTANT FORCE)	NOT SHOWN
26	728	PIVOT LOCK SHOE (1.292" x .562")	NOT SHOWN
27	275	PIVOT BAR	NOT SHOWN
28	9637	ANCHOR	NOT SHOWN
29	76800/76900	TILT LATCH ASSEMBLY	NOT SHOWN
INSTALLATION COMPONENTS			
30	6384	SILL CLIP	PVC
31	8864	SNAP-ON FLANGE	PVC

PROJECT # 419-0901

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

TITLE: SERIES 8500 VINYL SINGLE HUNG WINDOW - TWIN & TRIPLE
GLAZING DETAILS AND BILL OF MATERIALS (BOM)

DATE: 12/11/19
DRAWING NO: RWD0018
SHEET: 11 OF 11
DRAWN BY: RJA
SCALE: N.T.S.
REV: First Issue
PREPARED BY: RJA
PFC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FL 32752
PHONE: 321.690.1788
FAX: 321.690.1789
EMAIL: info@pfc-corp.com
PFC, INC. NO. 25855

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



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Robert J
Amoruso
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