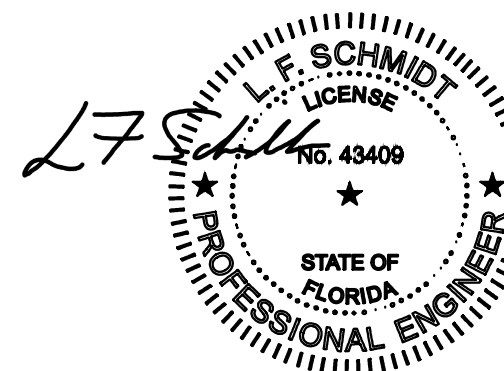


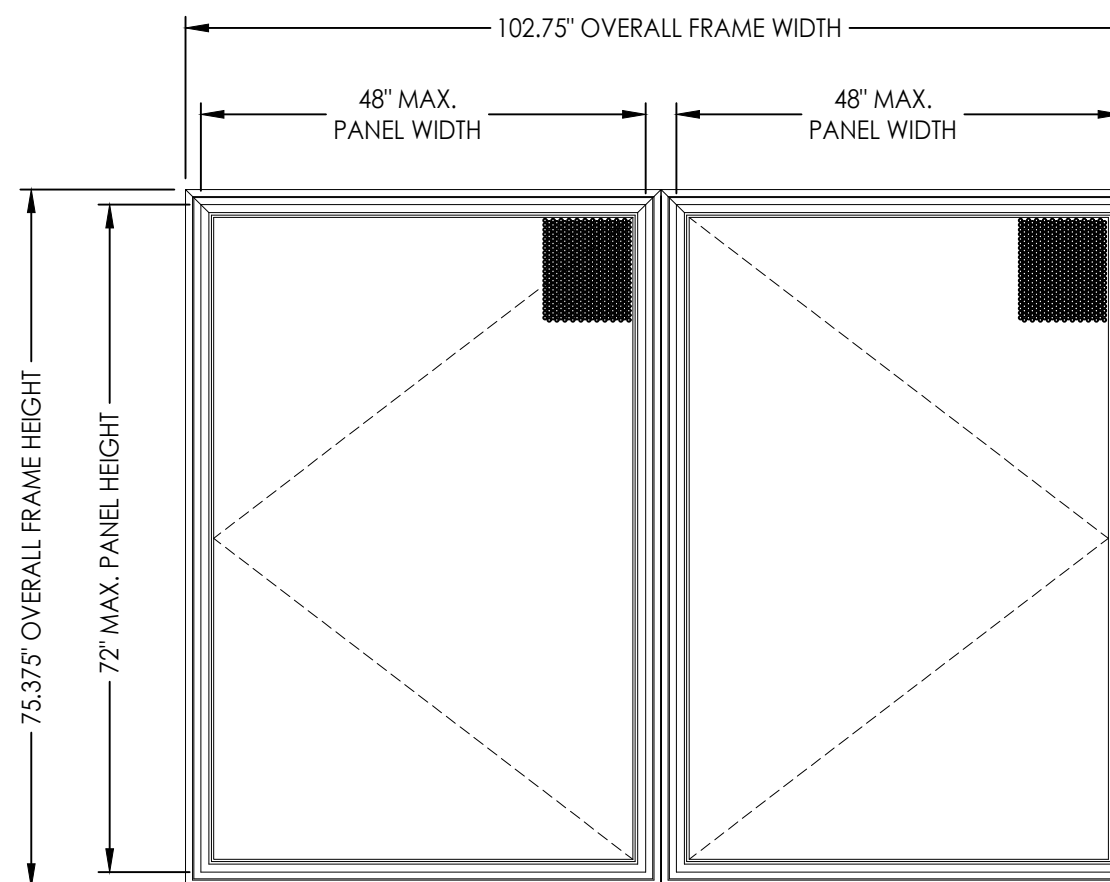


This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

1. This product anchoring has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ). See the Certification Agency Certificate for sizes, specifications and ratings.
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the HVHZ, this product complies with FBC Section 1626 as an impact resistant covering.
4. When used in areas outside the HVHZ, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 as an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. The system detailed herein is generic and does not provide information for a specific site. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. Permit holder shall verify the adequacy of the existing structure to withstand new superimposed loads.

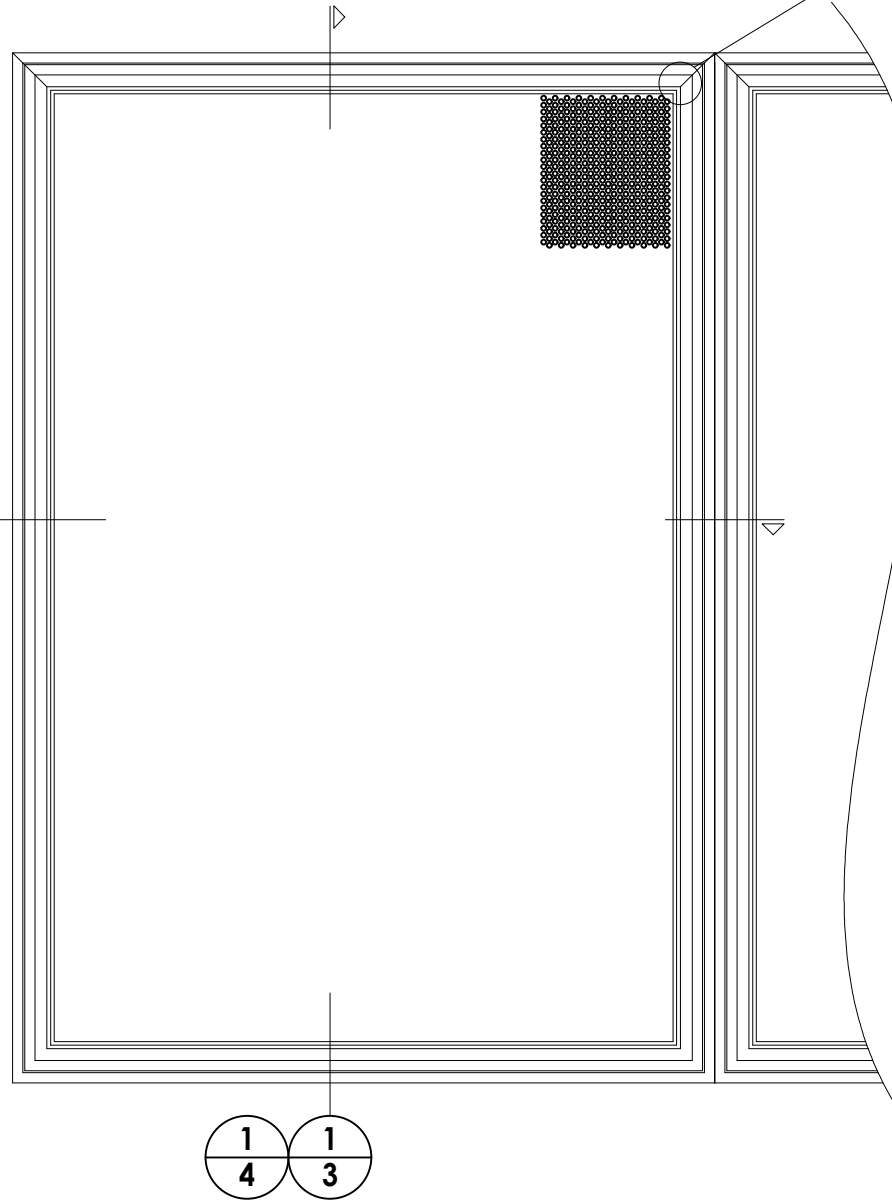
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevation, Design Pressures & General Notes
2	Elevaton & Screen Details
3	Horizontal & Vertical Cross Sections (Inset Mount)
4	Horizontal & Vertical Cross Sections (Face Mount)
5	Frame Anchoring (Inset Mount)
6	Frame Anchoring (Face Mount)
7	Bill of Materials & Components



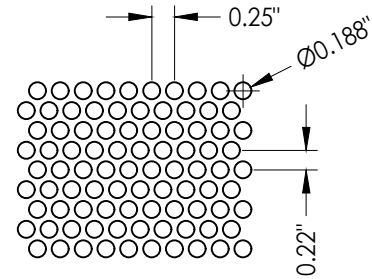
4' X 6' TWIN "SIDE HINGED"

MAX. OVERALL PANEL DIMENSION	MAX. PERFORATED STEEL SCREEN D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
48.0" X 72.0"	45.25" X 69.25"	+50.0	-50.0

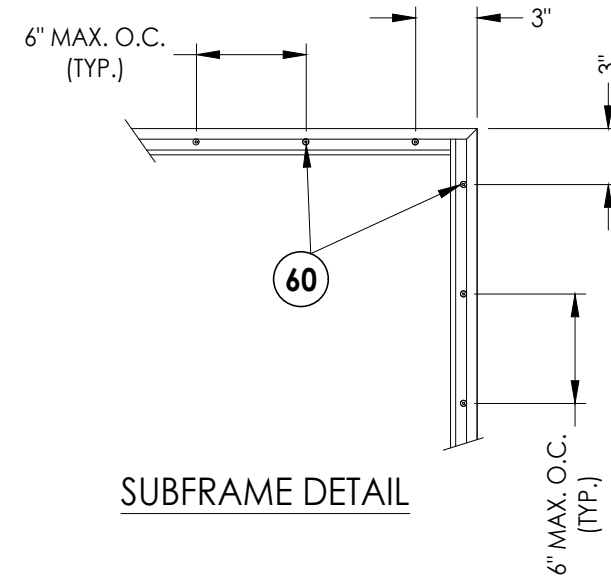
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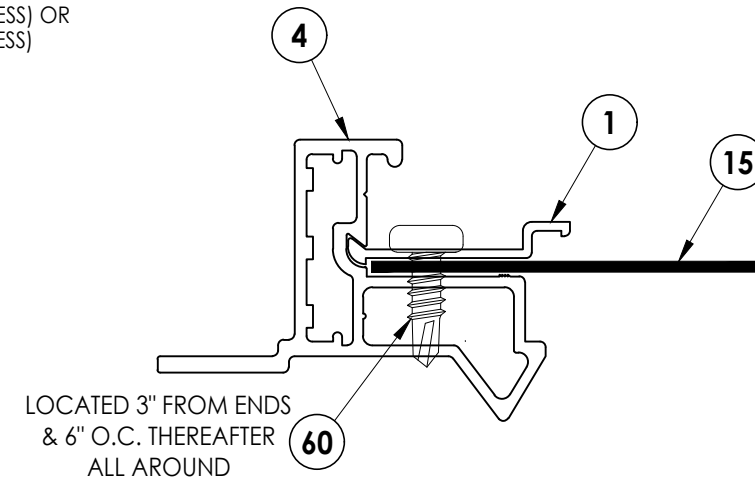
The diagram illustrates the corner detail of a subframe. It shows a cross-section of a corner where two members meet. A 'CORNER KEY' is indicated by an arrow pointing to a notch in the top member. A 'CORNER SPOT WELDED @ SEAM' is indicated by an arrow pointing to a weld at the corner joint. The entire detail is enclosed in a circle.



15 PERFORATED STEEL SCREEN INFILL
14 GA. STAINLESS STEEL (304) (0.079" MIN. THICKNESS) OR
14 GA. GALVANEALD STEEL (0.075" MIN. THICKNESS)
OPEN AREA: 51%



SUBFRAME DETAIL



SCREEN INFILL ATTACHMENT DETAIL

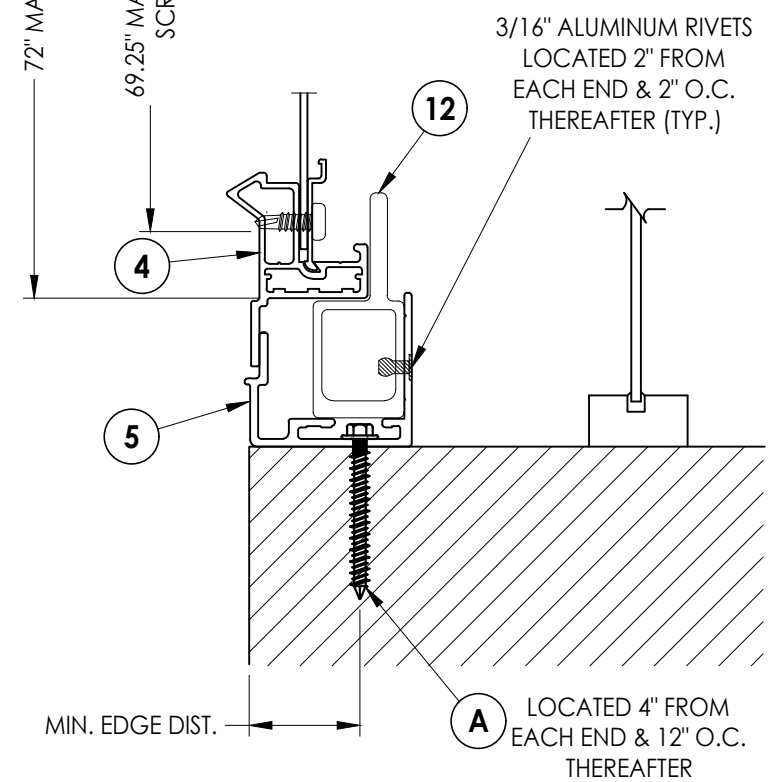
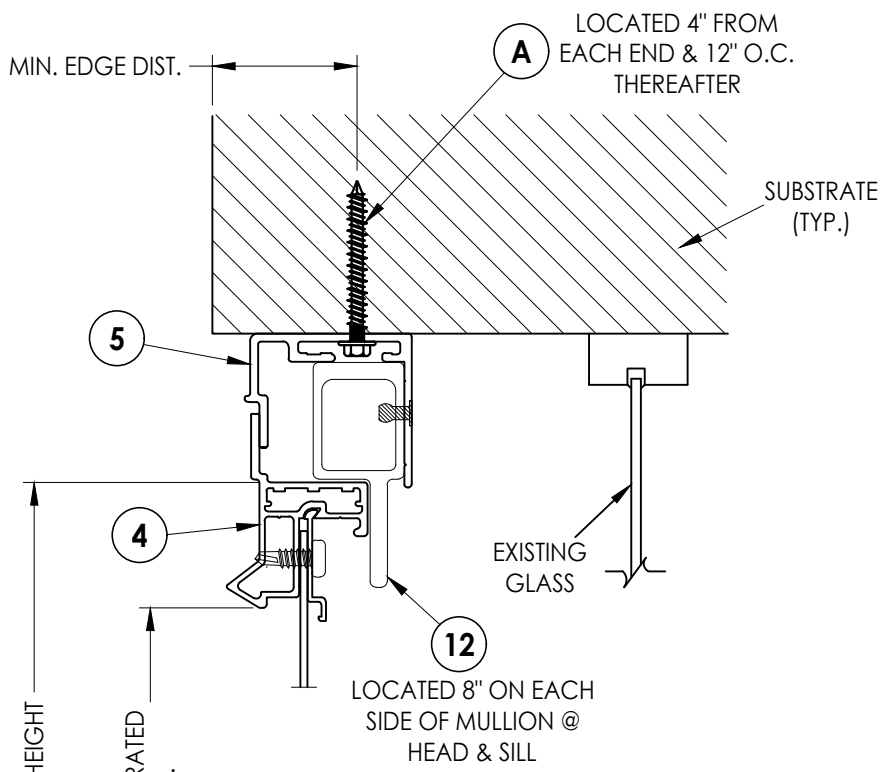
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PRODUCT:	HURRICANE SCREEN
PART OR ASSEMBLY:	ELEVATION & SCREEN DETAILS

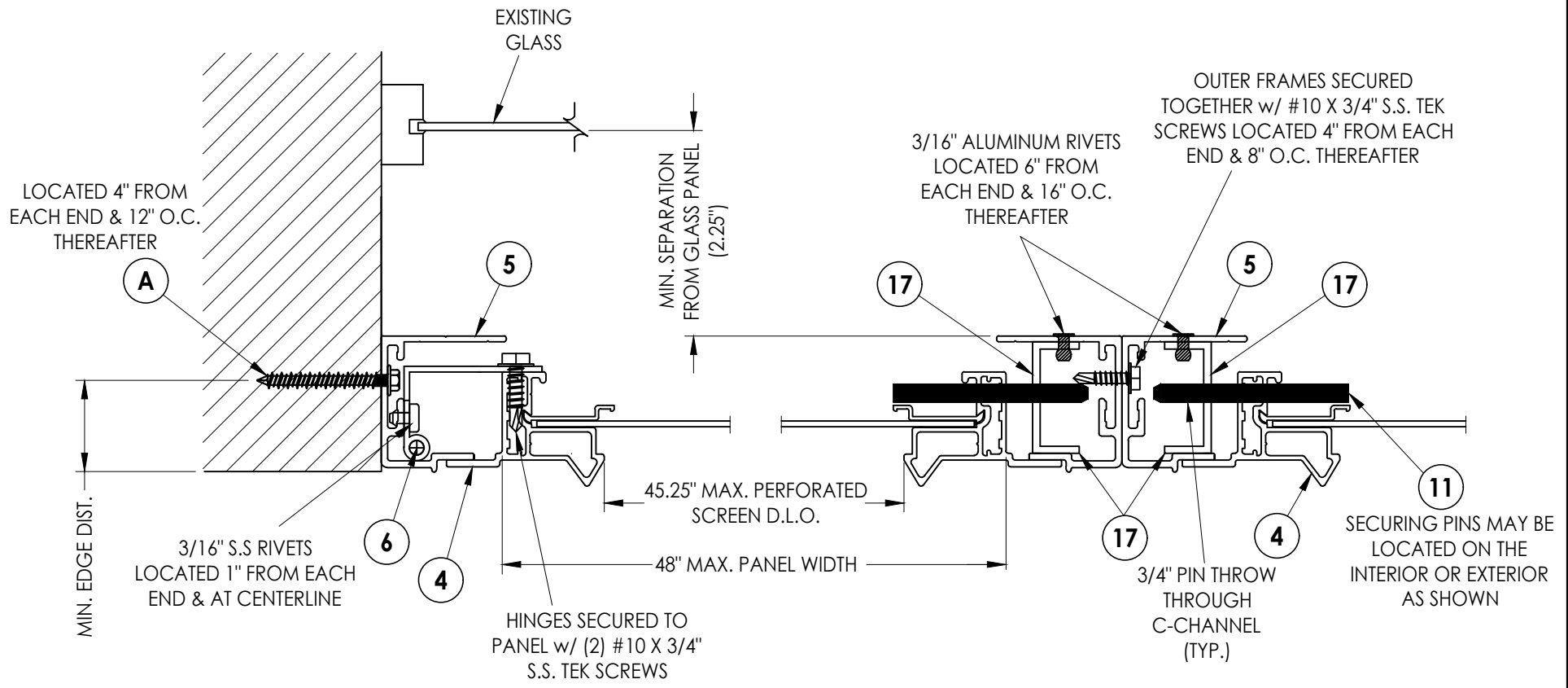
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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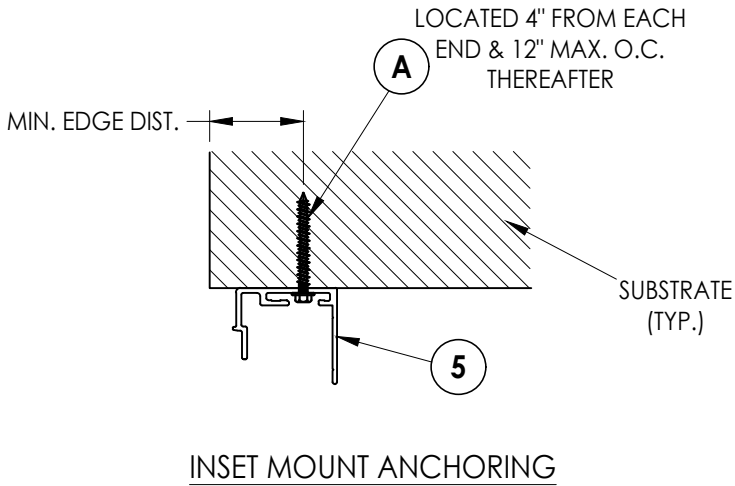
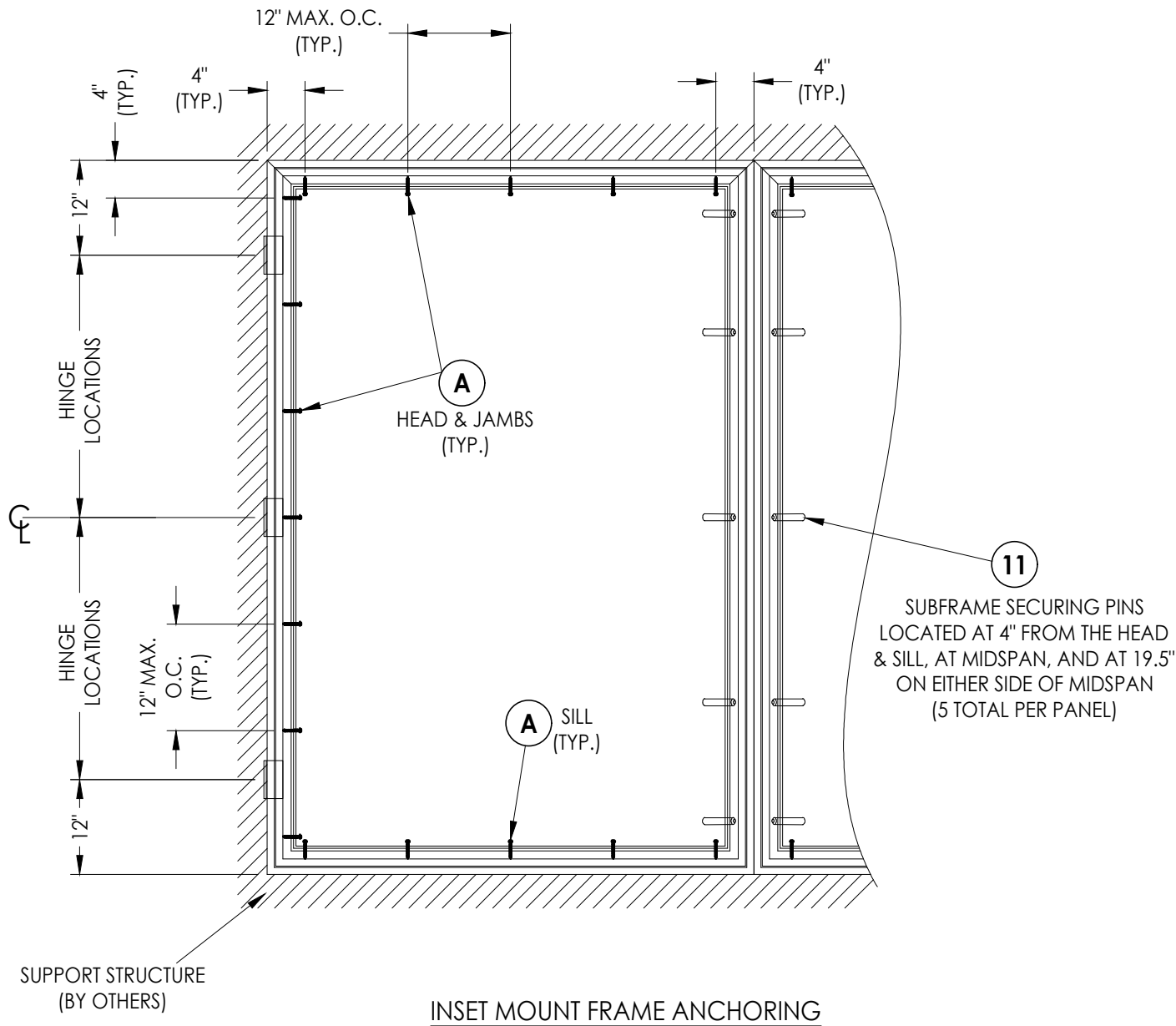
1 VERTICAL CROSS SECTION
3 INSET MOUNT



2 HORIZONTAL CROSS SECTION
3 INSET MOUNT

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: HURRICANE SCREEN		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (INSET MOUNT)	
DATE: 4/20/23		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.: FL-42098.3		SHEET 3 OF 7	
REVISIONS		DATE	
1		10/9/23	
UPDATE TO 8TH ED. (2023)		FBC	
LFS		BY	

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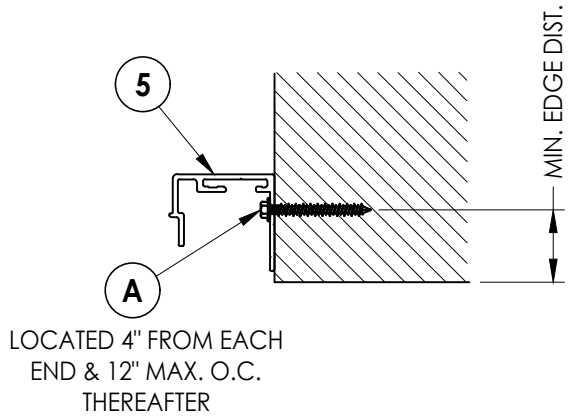
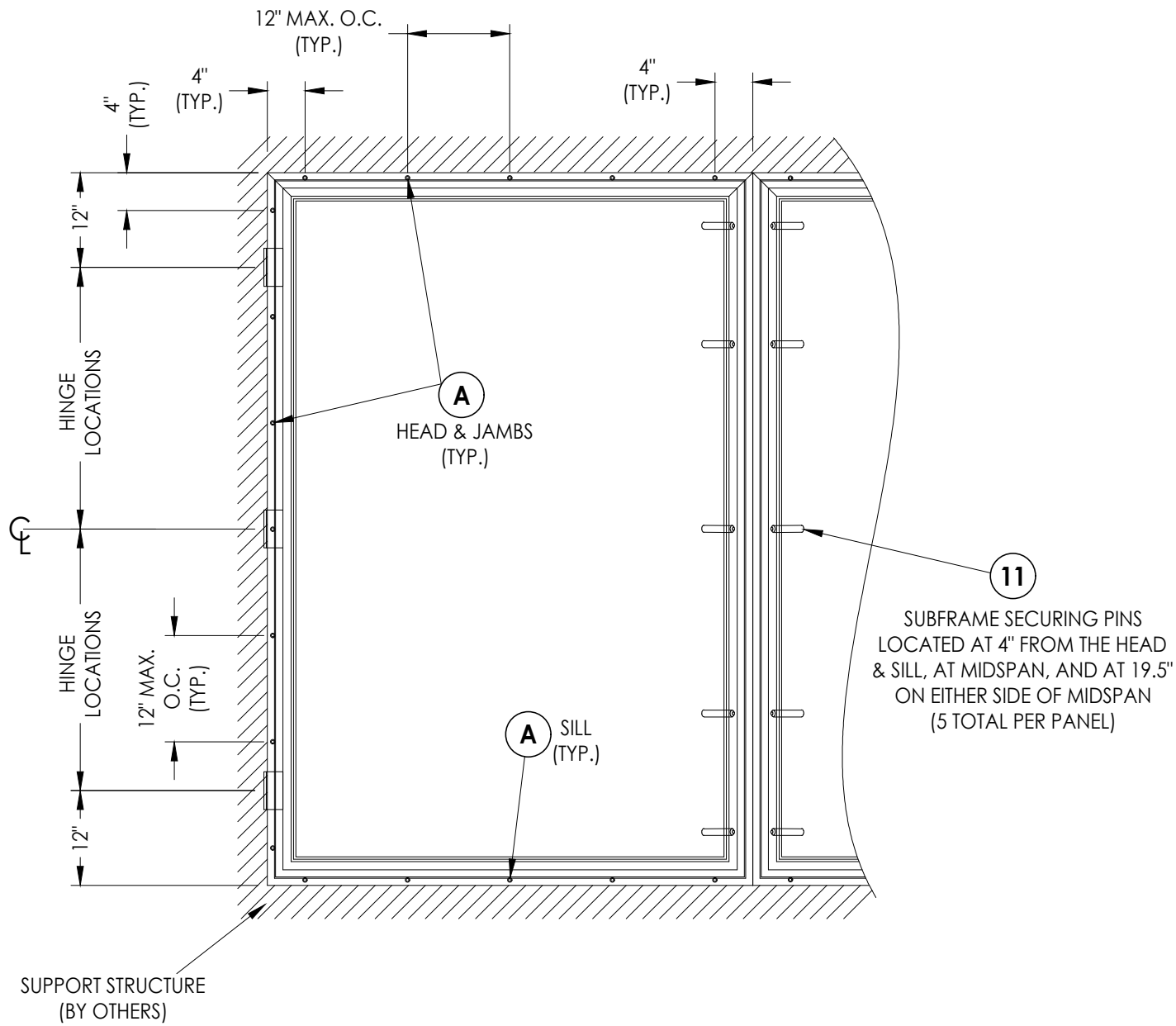


A ANCHOR SCHEDULE				
SUBSTRATE	ANCHOR	EMBEDMENT	EDGE DISTANCE	CENTER-TO-CENTER SPACING
CONCRETE	1/4" Ø HWH DeWALT ULTRA-CON+® 	1-3/4" MIN.	1-1/4" MIN.	1-1/2" MIN.

CONCRETE CONFORMING TO ACI 301 (3,000 PSI MIN.) OR HOLLOW BLOCK (GROUT FILLED) CONFORMING TO ASTM C90

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PRODUCT: HURRICANE SCREEN		PART OR ASSEMBLY: FRAME ANCHORING (INSET MOUNT)	
DATE: 4/20/23		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.: FL-42098.3		SHEET 5 OF 7	
NO. 1		DATE 10/9/23	
UPDATE TO 8TH ED. (2023) FBC		REVISIONS	
BY LFS		© 2023 R.W. BUILDING CONSULTANTS INC.	

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FACE MOUNT ANCHORING

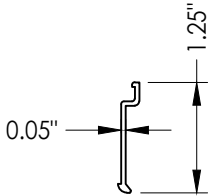
FACE MOUNT FRAME ANCHORING

A ANCHOR SCHEDULE				
SUBSTRATE	ANCHOR	EMBEDMENT	EDGE DISTANCE	CENTER-TO-CENTER SPACING
CONCRETE	1/4" Ø HWH DeWALT ULTRAICON® 	1-3/4" MIN.	1-1/4" MIN.	1-1/2" MIN.

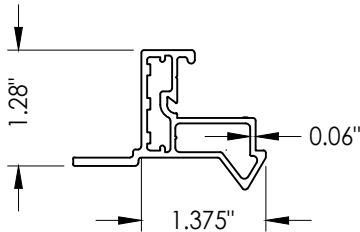
CONCRETE CONFORMING TO ACI 301 (3,000 PSI MIN.) OR HOLLOW BLOCK (GROUT FILLED) CONFORMING TO ASTM C90

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: HURRICANE SCREEN				PART OR ASSEMBLY: FRAME ANCHORING (FACE MOUNT)			
DATE: 4/20/23				REVISIONS			
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-42098.3							
SHEET 6 OF 7							

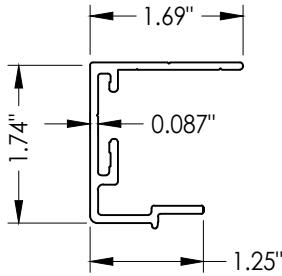
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	ANCHOR (SEE SHEETS 5 & 6 FOR ANCHORING SCHEDULE)	-
1	BARRIER RAIL	6063-T5 ALUM
4	1" X 2" SUBFRAME	6063-T5 ALUM
5	1" X 2" OUTER FRAME	6063-T5 ALUM
6	4.5" HIDDEN HINGE	STAINLESS STEEL
11	SECURING PIN (1/4" Ø X 2-5/8" LONG)	STAINLESS STEEL
12	SINGLE HOLLOW BRACKET	6063-T5 ALUM
15	PERFORATED SCREEN INFILL	STAINLESS STEEL
17	C-CHANNEL (1.5" X 0.75")	6063-T5 ALUM
60	#10 X 5/8" PAN SQ. HEAD SELF-DRILLING SMS	STAINLESS STEEL



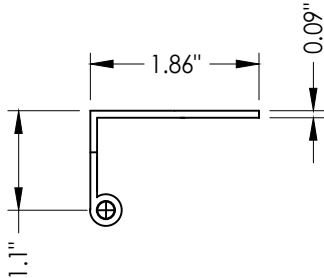
1 BARRIER RAIL



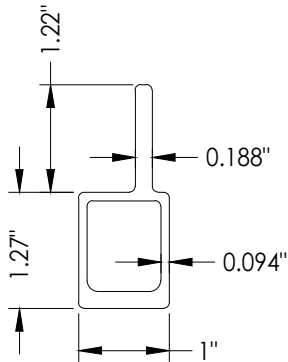
4 SUBFRAME



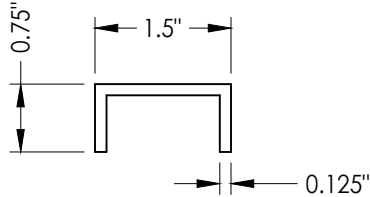
5 OUTER FRAME



6 HIDDEN HINGE



12 SINGLE HOLLOW BRACKET
8" WIDE



17 C-CHANNEL

[illegible]

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RW
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