

SERIES 5000 OPERABLE SECURITY SCREEN

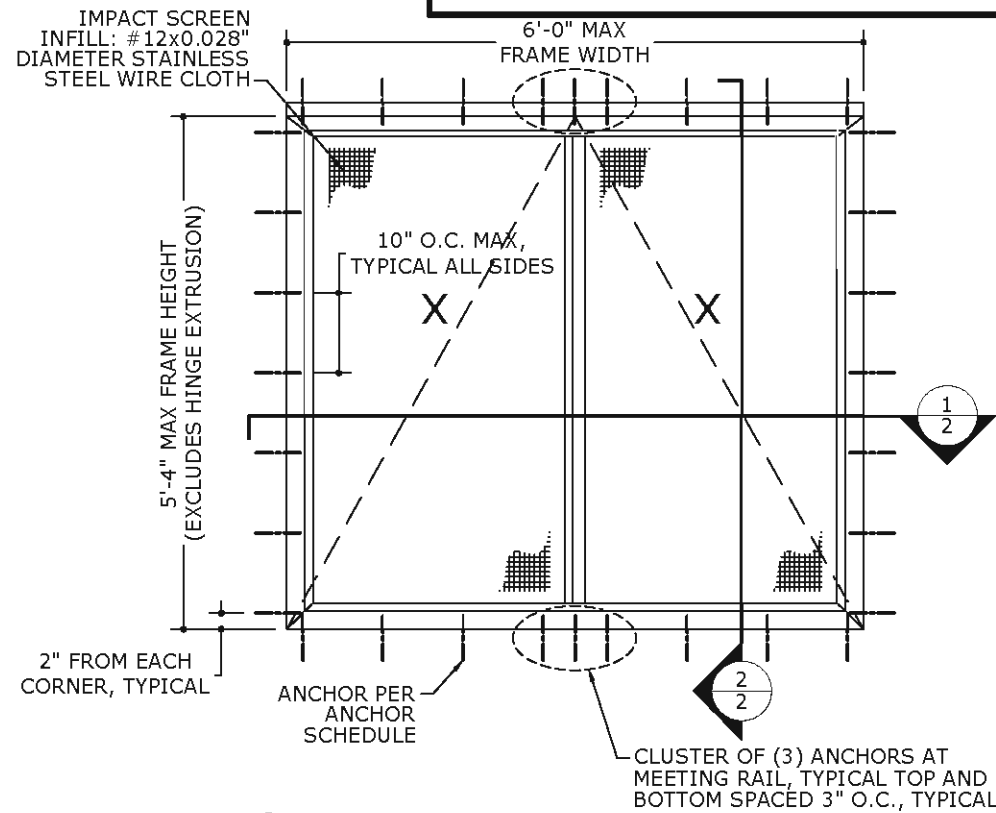
LARGE MISSILE IMPACT RESISTANT

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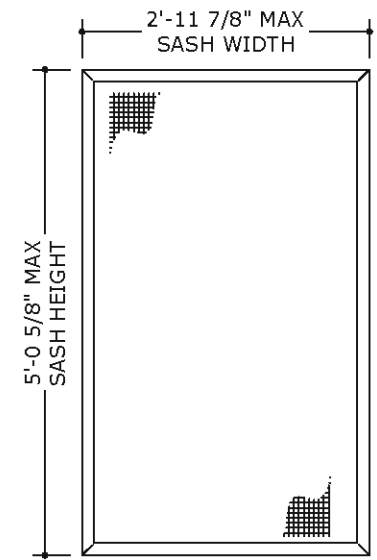
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PE# 0046549 CA# 9885
FL#10930.1

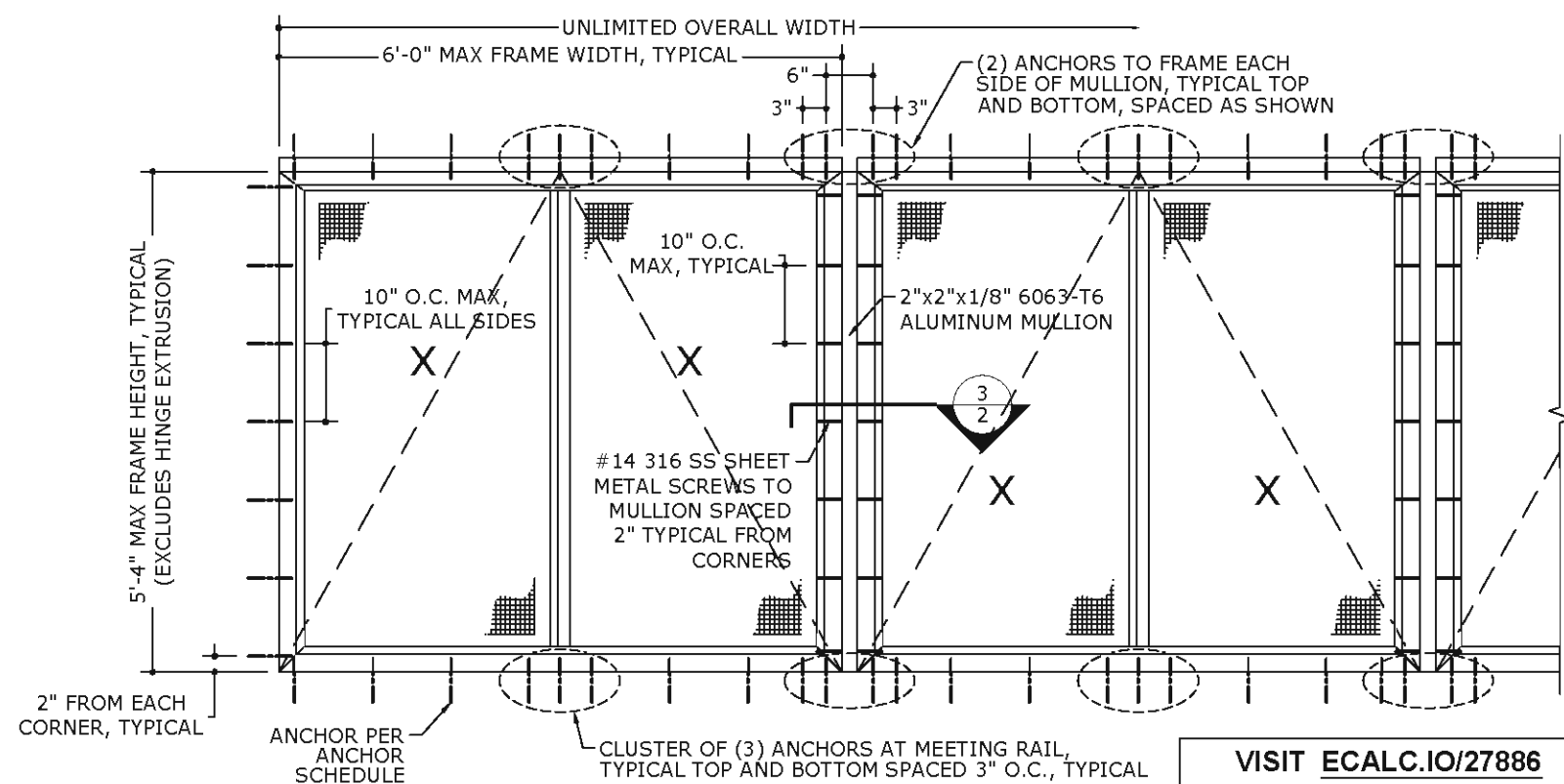
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1 SINGLE UNIT ELEVATION
1 N.T.S. EXTERIOR ELEV



2 TYPICAL SASH
1 N.T.S. EXTERIOR ELEV



3 MULTIPLE UNITS WITH
1 2"x2"x1/8" UNCLIPPED MULLIONS
1 N.T.S. EXTERIOR ELEV

ALLOWABLE
DESIGN PRESSURES
+ 55.0 PSF
- 55.0 PSF

GENERAL NOTES

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SEVENTH EDITION (2020), FOR USE OUTSIDE THE HIGH VELOCITY HURRICANE ZONE, PER ASTM E330, E1886, AND E1996 STANDARDS.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR $C_d=1.6$ HAS BEEN USED FOR WOOD ANCHOR DESIGN.
3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED PER SEPARATE ENGINEERING IN ACCORDANCE WITH THE GOVERNING CODE. PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7 AND THE FLORIDA BUILDING CODE SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.
4. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
5. MULTIPLE UNITS MAY BE INSTALLED TO UNLIMITED WIDTH AS SHOWN.
6. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
7. THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS IS OUTSIDE THE SCOPE OF THIS CERTIFICATION AND SHALL BE VERIFIED BY OTHERS.
8. ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE.
9. SCREEN SHALL BE #12x0.028" DIAMETER STAINLESS STEEL WIRE CLOTH.
10. ALL BOLTS & WASHERS SHALL BE ZINC COATED STEEL, GALVANIZED STEEL, OR STAINLESS STEEL WITH A MINIMUM TENSILE YIELD STRENGTH OF 60 KSI. ALL 3/16"Ø OR 1/4"Ø POP RIVETS SHALL BE 5056-H32 ALUMINUM ALLOY OR STRONGER.
11. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED.

ANCHOR SCHEDULE:

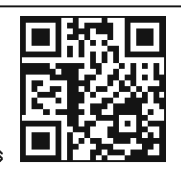
- TO HOLLOW CONCRETE BLOCK OR CONCRETE:**
- 1/4" ITW STAINLESS STEEL TAPCONS THRU WOOD BUCKS OR DIRECTLY INTO HOLLOW BLOCK OR CONCRETE (3192 PSI MIN.) WITH 1-1/4" MIN EMBED AND 2-1/2" MIN EDGE DISTANCE.
 - 1/4" ELCO ULTRACONS THRU WOOD BUCKS OR DIRECTLY INTO HOLLOW BLOCK OR CONCRETE (2846 PSI MIN.) WITH 1-1/4" MIN EMBED AND 2-1/2" MIN EDGE DISTANCE
- TO WOOD BUCK OR HOST STRUCTURE:**
- #14 WOOD SCREW, 1/4" ELCO ULTRACONS, OR 1/4" ITW SS TAPCONS WITH 1-1/2" MIN THREAD PENETRATION AND 3/4" MIN EDGE DISTANCE.
- TO STEEL OR 6063-T6 ALUM MULLION OR HOST STRUCTURE (0.062" MIN. THICKNESS):**
- #14 SMS OR 1/4" SELF-DRILLING METAL SCREWS (SAE GRADE 2 MIN.).

ANCHOR NOTES:

1. SEE EXTERIOR ELEVATION FOR ANCHOR LOCATIONS AND/OR SPACING.
2. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
3. ALL CONCRETE ANCHORS SHALL BE INSTALLED TO NON-CRACKED CONCRETE ONLY.
4. ENSURE MINIMUM 2-1/2" EDGE DISTANCE FOR ALL ANCHORS TO CONCRETE & TO HOLLOW BLOCK. EDGE DISTANCE OF 1/2" IS ACCEPTABLE FOR ANCHORS TO STEEL OR ALUMINUM.
5. WHERE ANCHORS FASTEN TO NARROW FACE OF STUD FRAMING, ANCHOR SHALL BE LOCATED IN CENTER OF NOMINAL 2x (MIN) WOOD STUD (i.e. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR ANCHORS TO WOOD FRAMING).
6. WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" $G=0.55$ OR GREATER DENSITY.
7. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
8. WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
9. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.

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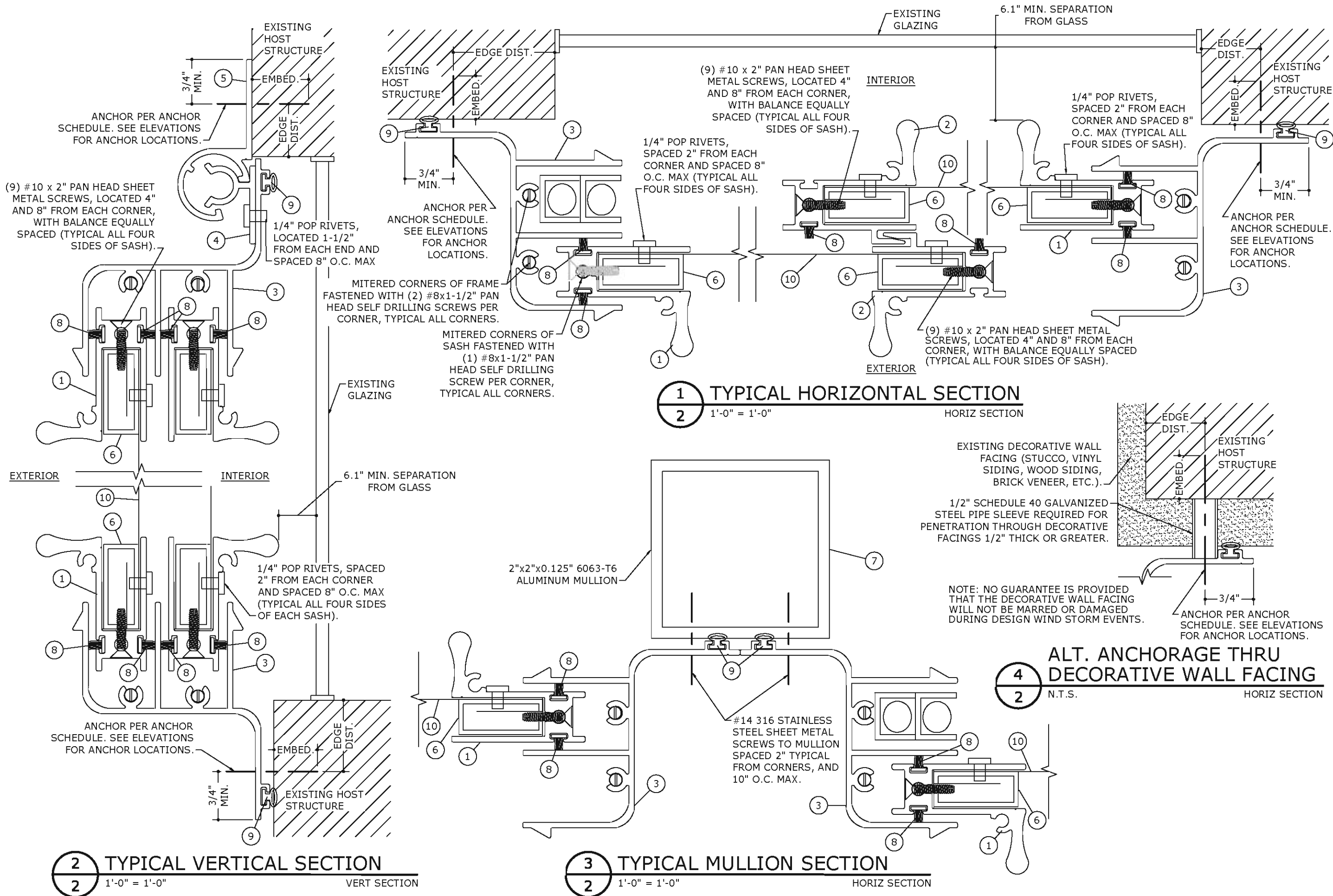
SECURE-LITE WINDOW COMPANY
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SERIES 5000 OPERABLE SCREEN SHUTTER
LARGE MISSILE IMPACT RESISTANT (NON-HVHZ APPROVED)
FBC 7TH EDITION (2020) PRODUCT APPROVAL FL#10930.1

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (08-SLW-0001)	KL	CL	06/09/08
2010 FBC REVISION	KL	FLB	12/27/11
REV (FBC 2014)	RWLN	CSL	04/09/15
REV (FBC 2017)	LAO	FLB	08/11/17
REV (FBC 2020)	JC	RN	07/28/20

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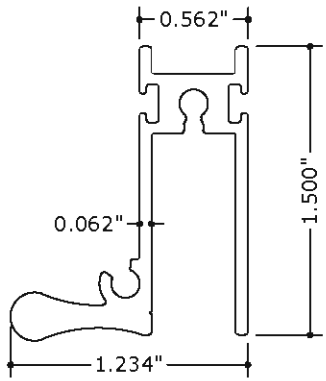
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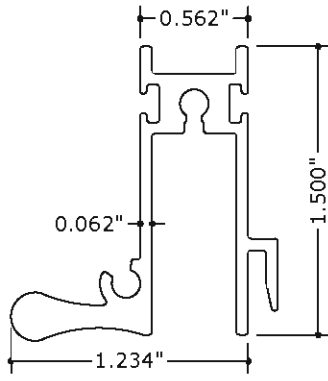
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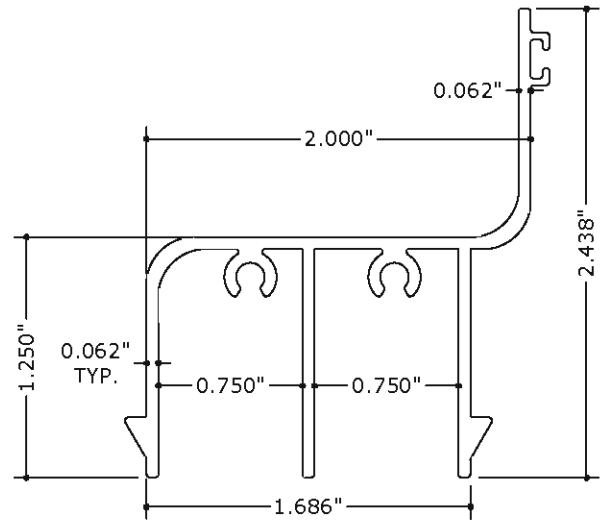
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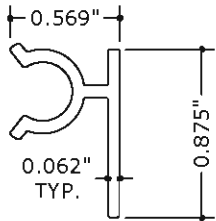
1 SASH FRAME WITH HANDLE
1'-0" = 1'-0"



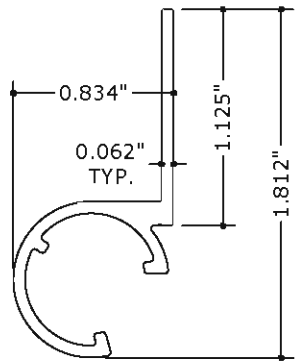
2 MEETING RAIL WITH HANDLE
1'-0" = 1'-0"



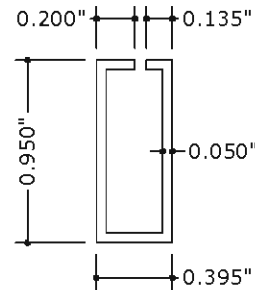
3 MAIN FRAME
1'-0" = 1'-0"



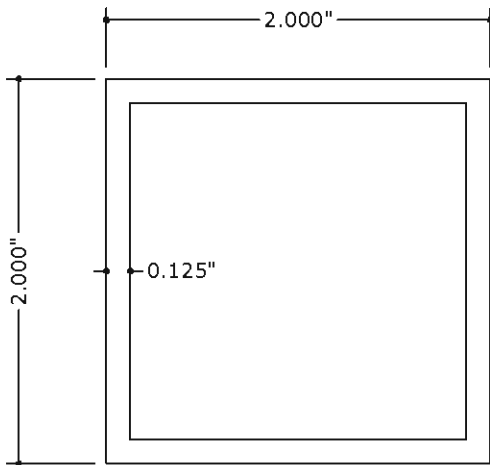
4 MALE HINGE
1'-0" = 1'-0"



5 FEMALE HINGE
1'-0" = 1'-0"



6 GLAZING TUBE
1'-0" = 1'-0"



7 2"x2"x0.125" MULLION
1'-0" = 1'-0"

BILL OF MATERIALS

ITEM #	PART #	DESCRIPTION	NOTES
1	SLW-005	SASH FRAME W/ HANDLE	6063-T5
2	SLW-005	MEETING RAIL W/ HANDLE	6063-T5
3	SLW-003	MAIN FRAME	6063-T5
4	SLW-004	MALE HINGE	6063-T5
5	SLW-006	FEMALE HINGE	6063-T5
6	-	SCREEN GLAZING TUBE	STEEL
7	-	2"x2"x0.125" MULLION	6063-T6
8	-	WOOL PILE WEATHERSTRIPPING	-
9	-	BULB VINYL GASKET	-
10	-	#12 x 0.028" DIA. SST WIRE CLOTH	T-304 SST

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