



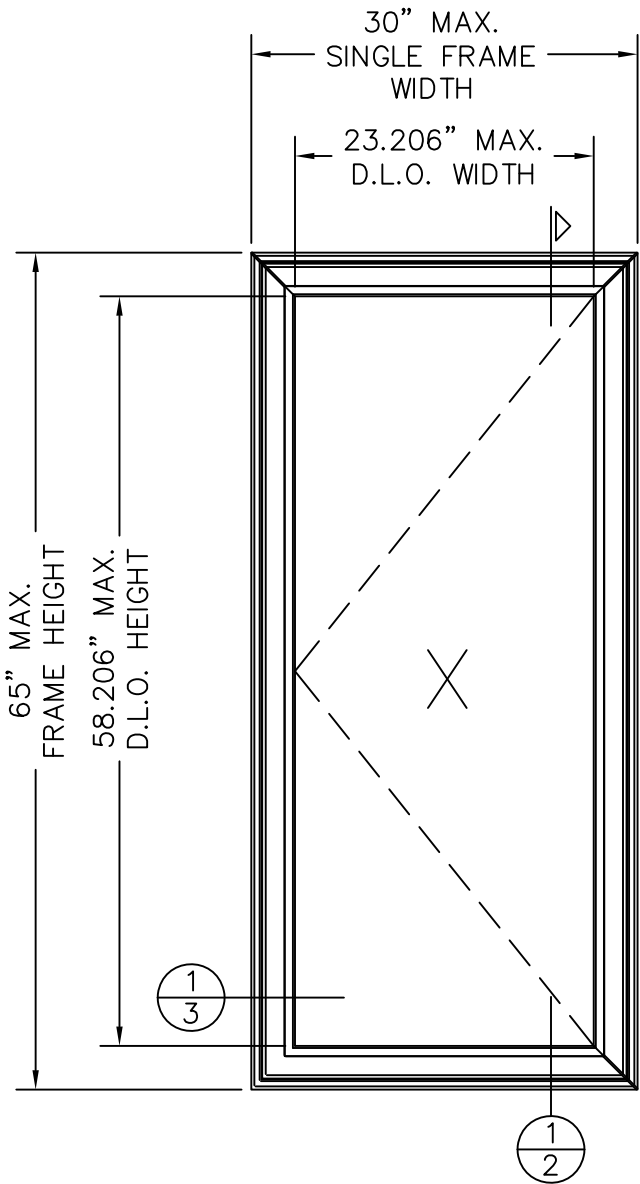
1 COCHRANE AVE. PENNSBORO, WV 26415 PH.
800-426-2249

STORMBREAKER PLUS 300VL
IMPACT RESISTANT VINYL
CASEMENT

GENERAL NOTES:

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE 8TH ED. (2023) FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE, AND WAS TESTED USING METHODS TAS 201, TAS 202, AND TAS 203. GLAZING AS INDICATED HEREIN COMPLIES WITH ASTM E 1300. THIS PRODUCT IS LARGE MISSILE IMPACT RATED AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES OR SHUTTERS.
2. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS, USING ONLY MIAMI-DADE COUNTY APPROVED CORROSION-RESISTANT FASTENERS OR ITW TAPCON FASTENERS. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS. SHIMS MUST BE USED WHEN GAP OF GREATER THAN 1/16" BETWEEN FRAME AND OPENING IS PRESENT AT THE ANCHOR LOCATION. MAX. SHIM STACK = 1/4". HIGH QUALITY SILICONE CAULK SHALL BE USED BY INSTALLER AROUND ENTIRE WINDOW PERIMETER, INSIDE AND OUT.
3. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED PER FBC TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THE MATERIALS OF THIS DOOR.
4. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, AND INTO SUBSTRATE. INSTALLATIONS TO SOLID CONCRETE OR GROUT-FILLED CMU MAY INCLUDE BUT DO NOT REQUIRE 1X WOOD BUCKS BETWEEN PRODUCT AND SUBSTRATE. INSTALLATIONS TO HOLLOW CMU REQUIRE THE USE OF 1X BUCKS BETWEEN PRODUCT AND SUBSTRATE.
5. WOOD OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN THESE DRAWINGS. CONCRETE OR MASONRY SUBSTRATES SHALL NOT BE CRACKED.
6. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER PENETRATION RESISTANCE OF THE INSTALLED PRODUCT ARE THE RESPONSIBILITY OF OTHERS.
7. A WIND LOAD DURATION FACTOR CD = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
8. FOR INSTALLATION TO METAL SUBSTRATES, ANCHORS SHALL BE LONG ENOUGH TO BE FULLY THREADED THROUGH THE METAL THICKNESS WITH AN ADDITIONAL 3/16" MIN. OF THREADS BEYOND

ALL MODELS ARE VIEWED FROM THE EXTERIOR

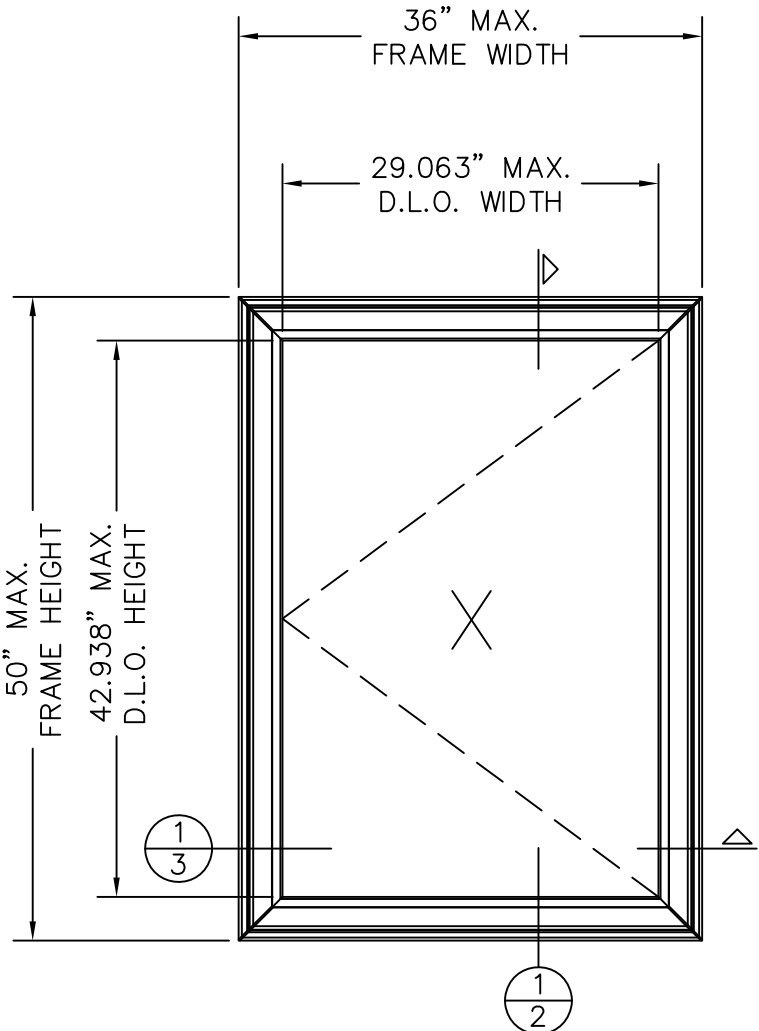


LARGE MISSILE IMPACT

30" X 65" CASEMENT
STORMBREAKER PLUS

DESIGN PRESSURE RATING
+50.0 PSF -50.0 PSF

REV. #	REVISIONS:	REVISED BY:	DATE:
2	UPDATED ANCHORAGE, HARDWARE	L.T.	12-09-14
3	REMOVED TRIPLE CASEMENT FROM OFFERING	LMH	10-05-17
4	ADDED SIZE - EC 18-056 & GP 18-021.	LMH	6-28-18
5	7TH FBC EDITION	LMH	11/13/2020
6	8TH FBC (2023) EDITION	LMH	12/03/2023



LARGE MISSILE IMPACT

36" X 50" CASEMENT
STORMBREAKER PLUS

DESIGN PRESSURE RATING
+55.0 PSF -55.0 PSF

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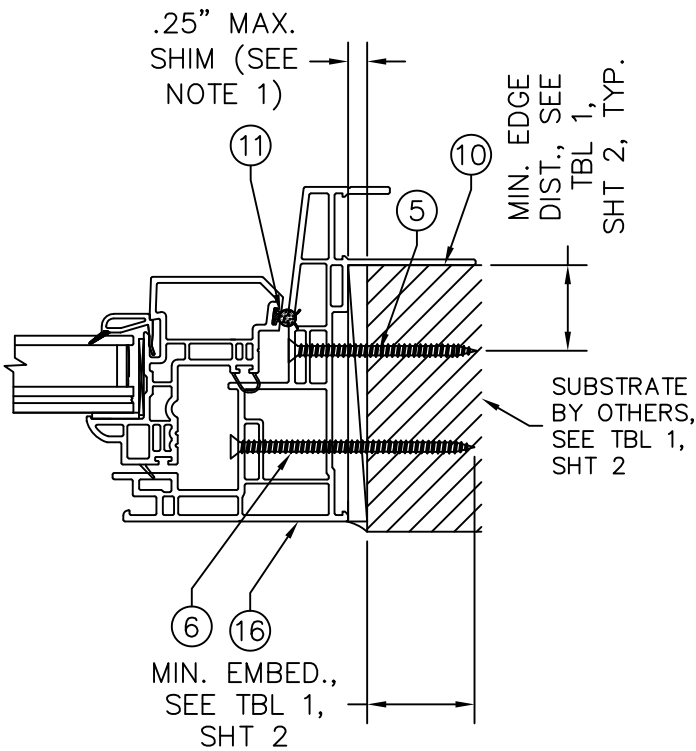
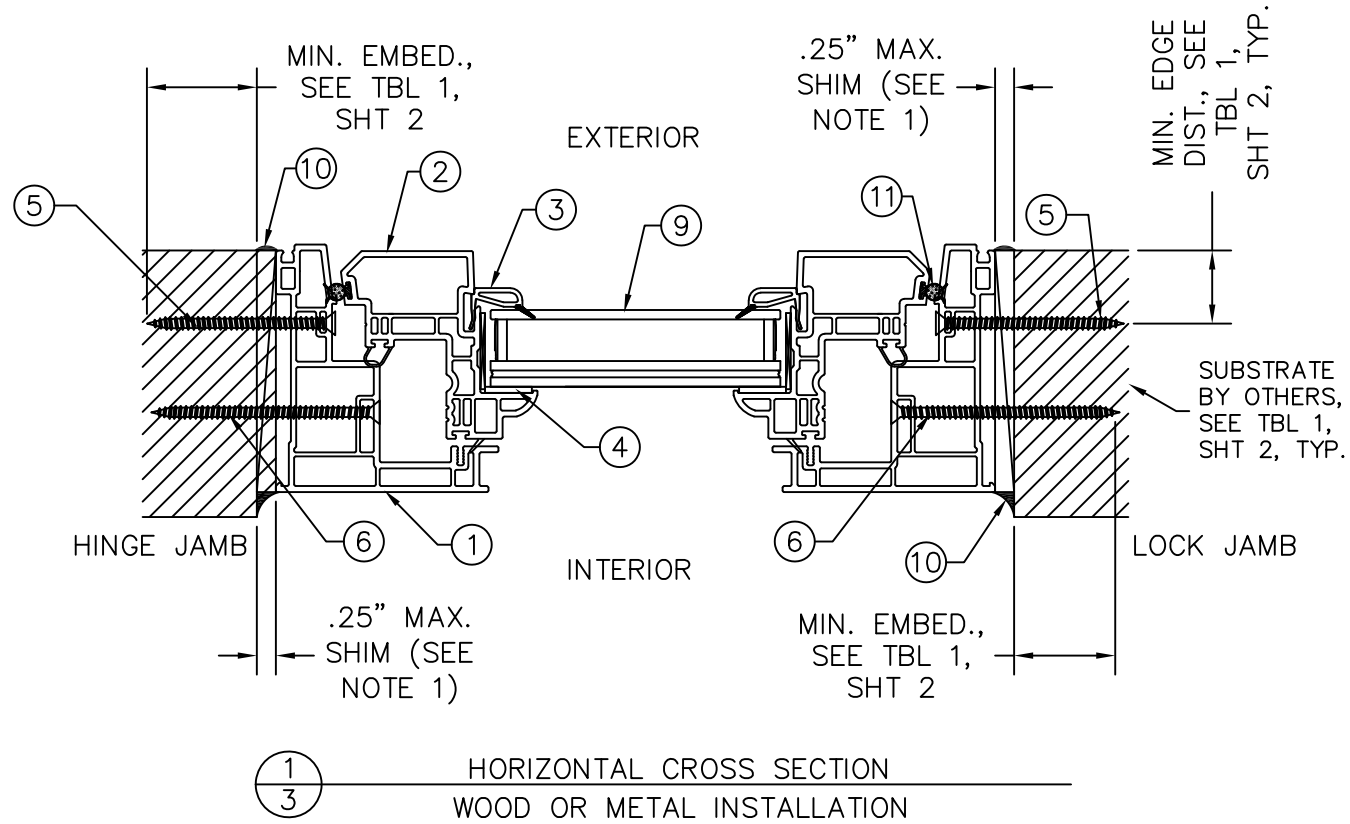
SHEET #	DESCRIPTION
1	GEN. NOTES, TYPICAL ELEVATION, TABLE OF CONTENTS
2	VERTICAL CROSS SECTIONS
3	HORIZONTAL CROSS SECTIONS
4	ANCHORING LOCATIONS
5	COMPONENTS, BILL OF MATERIALS, GLAZING DETAILS

12/03/2023
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574



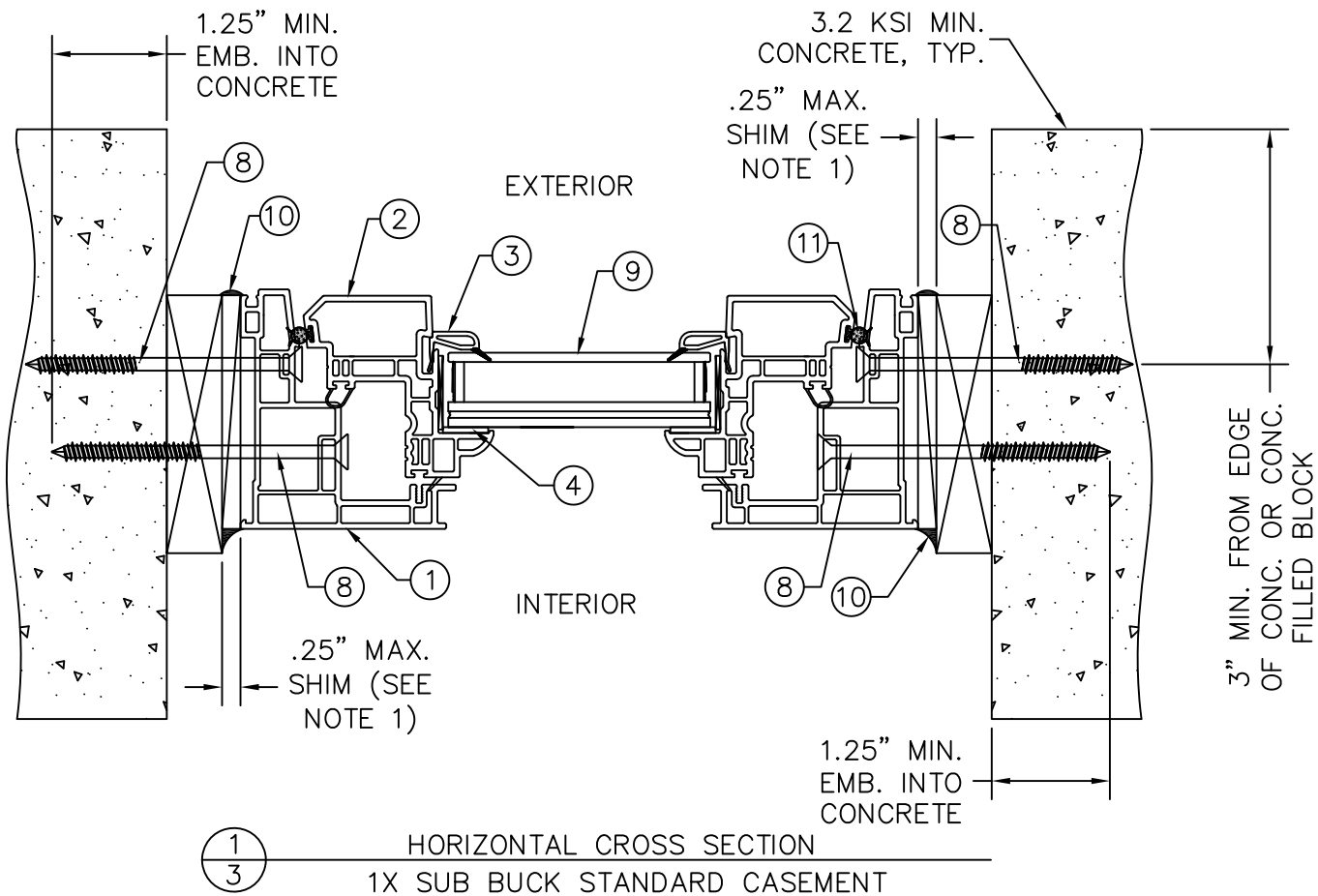
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DRAWN BY: GLS	DATE: 10/13/08
CHECKED BY:	DATE:
SCALE: FIT	SHEET: 1 of 5
APPRV'D BY: C.P.	DATE: 01/30/12
SERIES: STORMBREAKER PLUS 300VL CASEMENT	
TITLE: GENERAL NOTES & TYPICAL ELEVATIONS	

REV. #	REVISIONS:	REVISED BY:	DATE:
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SEE ANCHOR LOCATION
ELEVATIONS SHEET 4

1
2 HORIZONTAL CROSS SECTION
ALTERNATE FRAME DETAIL FOR SINGLE UNITS
WOOD OR METAL INSTALLATION

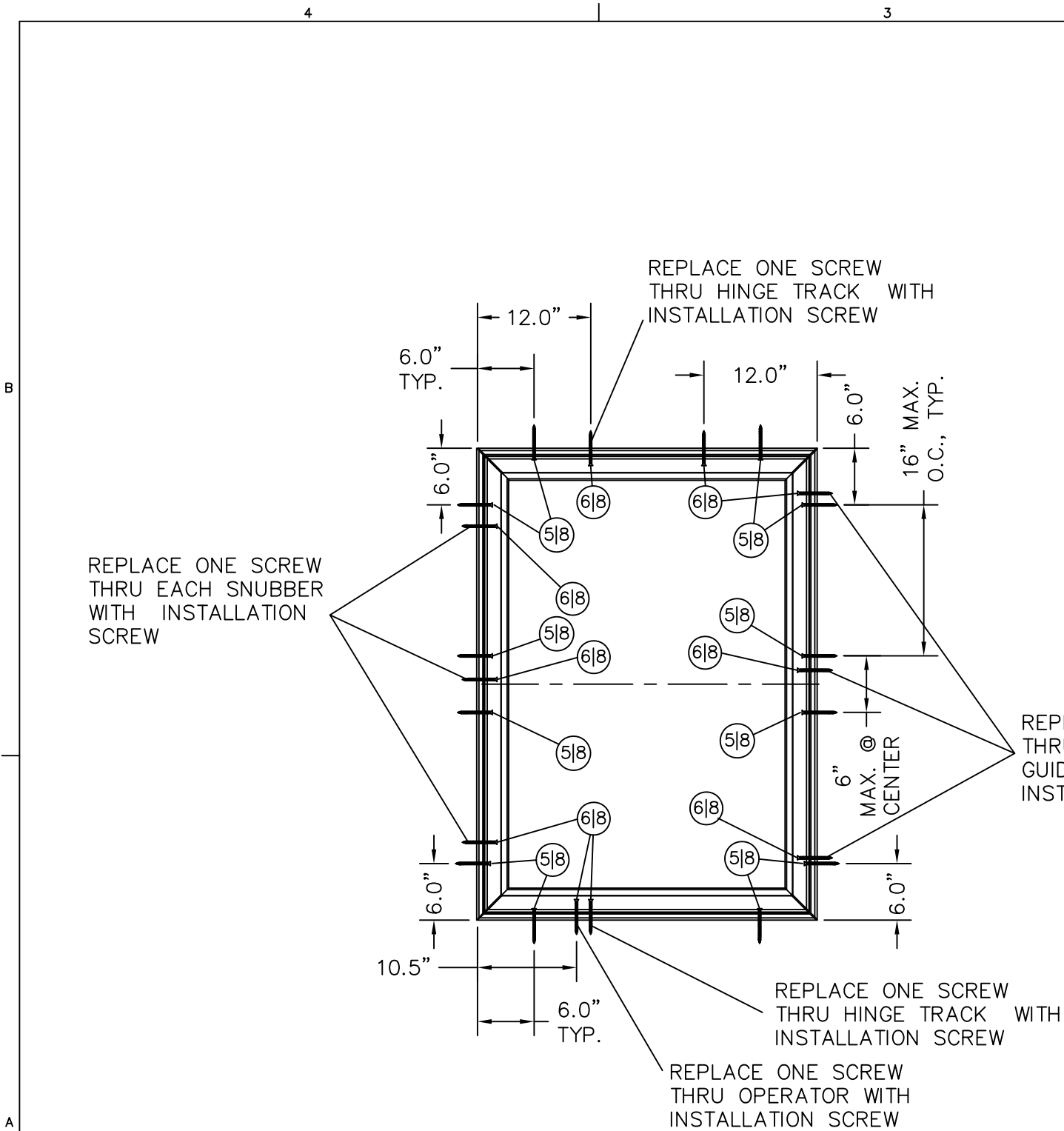


- NOTES:
1. THE SHIM IS REQUIRED TO BE A "RIGID/STIFF" MATERIAL THAT COMPLIES WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HVHZ.
 2. CORROSION RESISTANT FASTENERS AND MATERIALS THAT COME INTO CONTACT WITH DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.
 3. REPLACE ONE SCREW IN EACH IMPACT SNUBBER WITH INSTALLATION SCREWS, ITEM NUMBER 5 (WOOD) OR 8 (CONC.)
 4. REPLACE ONE SCREW IN EACH TIE BAR GUIDE WITH AN INSTALLATION SCREW, ITEM NUMBER 6 (WOOD) OR 8 (CONC.)

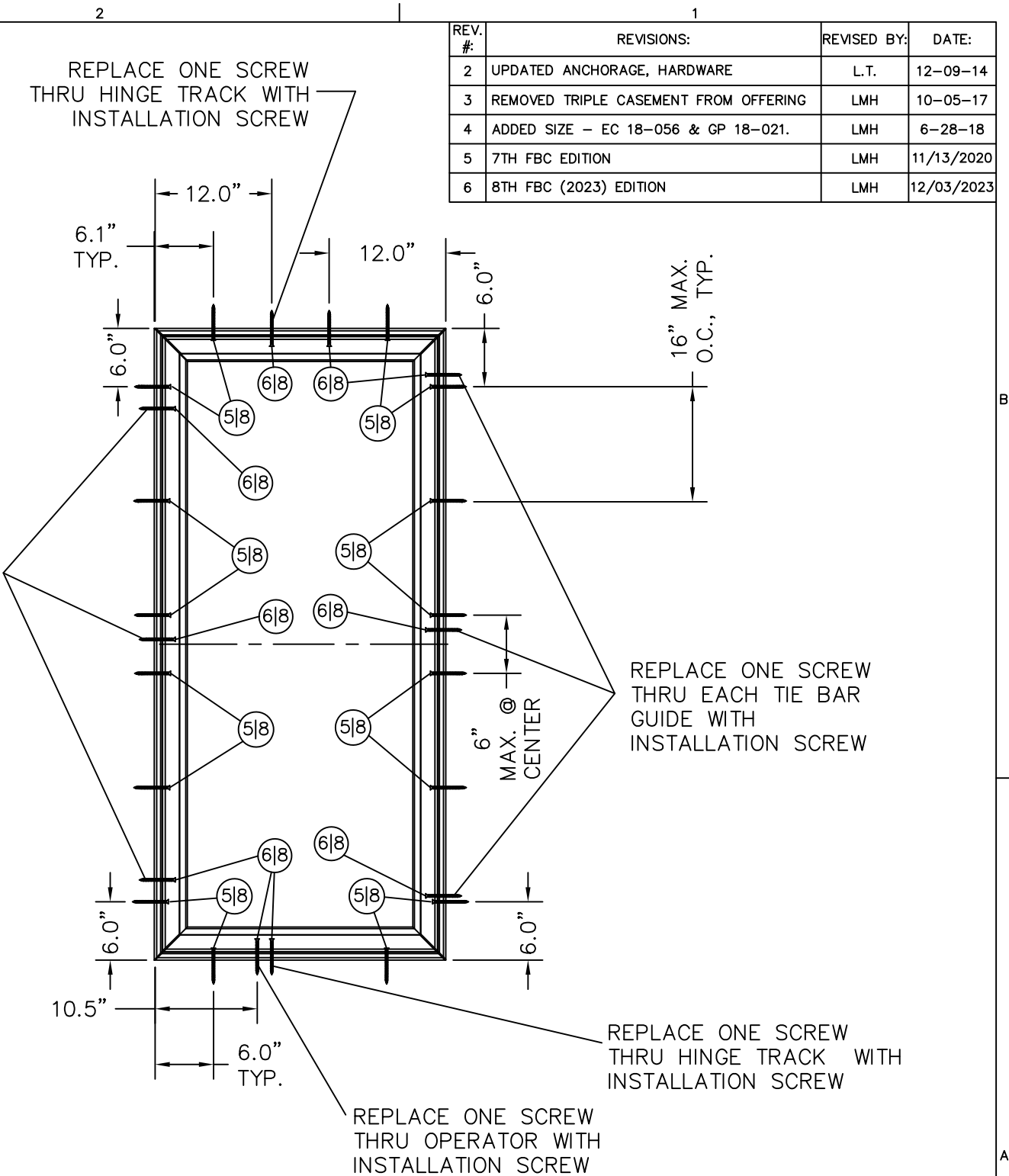
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 1 Cochrane Avenue Pennsboro, WV 26415	SIZE: DRAWING NO.: B DA0007	REV.: 6
DRAWN BY: GLS	DATE: 10/13/08	CHECKED BY: DATE:
SCALE: FIT	SHEET: 3 of 5	APPR'D BY: DATE: C.P. 01/30/12
SERIES: STORMBREAKER PLUS 300VL CASEMENT		
TITLE: HORIZONTAL CROSS SECTIONS		

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36" x 50" CASEMENT
2X WOOD BUCK ANCHORING LOCATIONS
1X WOOD BUCK OVER MASONRY ANCHORING LOCATIONS



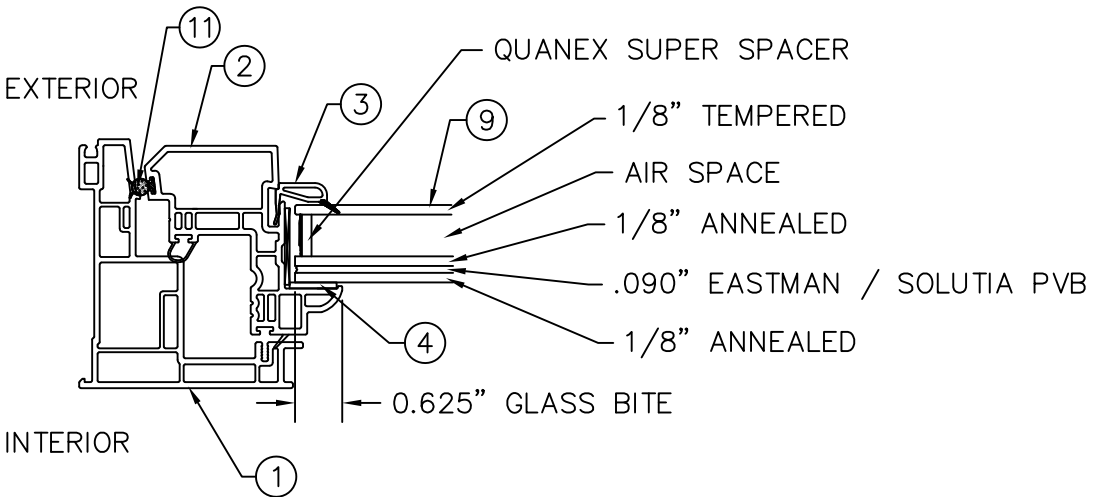
30" x 65" CASEMENT
2X WOOD BUCK ANCHORING LOCATIONS
1X WOOD BUCK OVER MASONRY ANCHORING LOCATIONS

NOTE:
WHEN ANCHORING CASEMENT WINDOWS TO A 2X BUCK, USE ITEMS 5 & 6 (#10 X 2 1/2" & #10 X 3" PH FH WOOD SCREWS) WITH 3/4" MINIMUM EDGE DISTANCE AND 1 3/8" MINIMUM EMBEDMENT INTO WOOD.
WHEN ANCHORING CASEMENT WINDOWS TO A 1X BUCK AND CONCRETE/BLOCK USE ITEM 8 (3/16" X 3 1/4" ITW TAPCONS) WITH EDGE DISTANCE GREATER THAN OR EQUAL TO 3" WITH 1 1/4" MINIMUM EMBEDMENT INTO MASONRY.

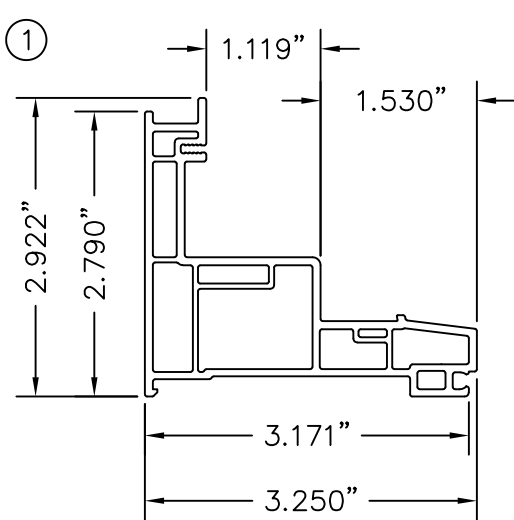
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 SIMONTON W I N D O W S 1 Cochrane Avenue Pennsboro, WV 26415	SIZE: DRAWING NO.: B DA0007		REV.: 6
	DRAWN BY: GLS		DATE: 10/13/08
	CHECKED BY:		DATE:
	APPR'V'D BY: C.P.		DATE: 01/30/12
SCALE: FIT	SHEET: 4 of 5	SERIES: STORMBREAKER PLUS 300VL CASEMENT	
TITLE: ANCHORING LOCATIONS			

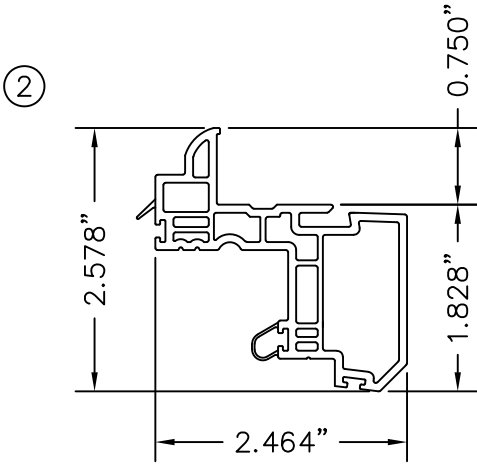
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
1	EXTRUDED CASEMENT FRAME	RIGID VINYL
2	EXTRUDED CASEMENT SASH	RIGID VINYL
3	EXTRUDED GLAZING BEAD	RIGID VINYL
4	GLAZING COMPOUND – PECORA 896 HIS	SILICONE
5	#10 X 2 1/2” PH FH WOOD SCREW FOR WOOD INSTALL #10 X 2 1/2” SELF-DRILLING SCREW FOR METAL INSTALL	STEEL
6	#10 X 3” PH FH WOOD SCREW FOR WOOD INSTALL #10 X 3” SELF-DRILLING SCREW FOR METAL INSTALL	STEEL
	-----NOT USED-----	
8	3/16”Ø X 3 1/4” I.T.W. TAPCON ANCHOR	STEEL
9	1” INSULATED TEMPERED/ANNEALED IMPACT GLASS WITH .090” SOLUTIA PVB INTERLAYER	–
10	HIGH QUALITY SILICONE CAULK	SILICONE
11	.187 X .300 FOAM-FILLED VINYL BULB	–
	-----NOT USED-----	
	-----NOT USED-----	
	-----NOT USED-----	
	-----NOT USED-----	
16	EXTRUDED CASEMENT FRAME WITH INTEGRAL FLANGE	RIGID VINYL



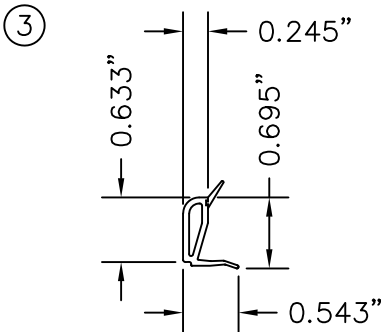
1.0” INSULATED TEMPERED/ANNEALED IMPACT
RESISTANT GLASS GLAZING DETAIL
36” X 50” CASEMENT &
30” X 65” CASEMENT



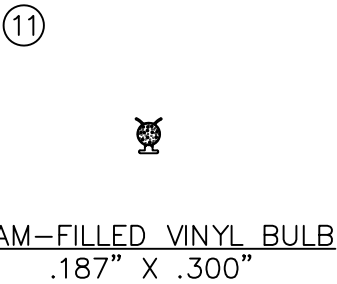
CASEMENT WINDOW FRAME
0.079” MAX. WALL & 0.060” MIN. WALL




CASEMENT SASH
0.079” MAX. WALL & 0.059” MIN. WALL



GLAZING BEAD
BV68



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TITLE: COMPONENTS, BILL OF MATERIALS & GLAZING DETAILS			