



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

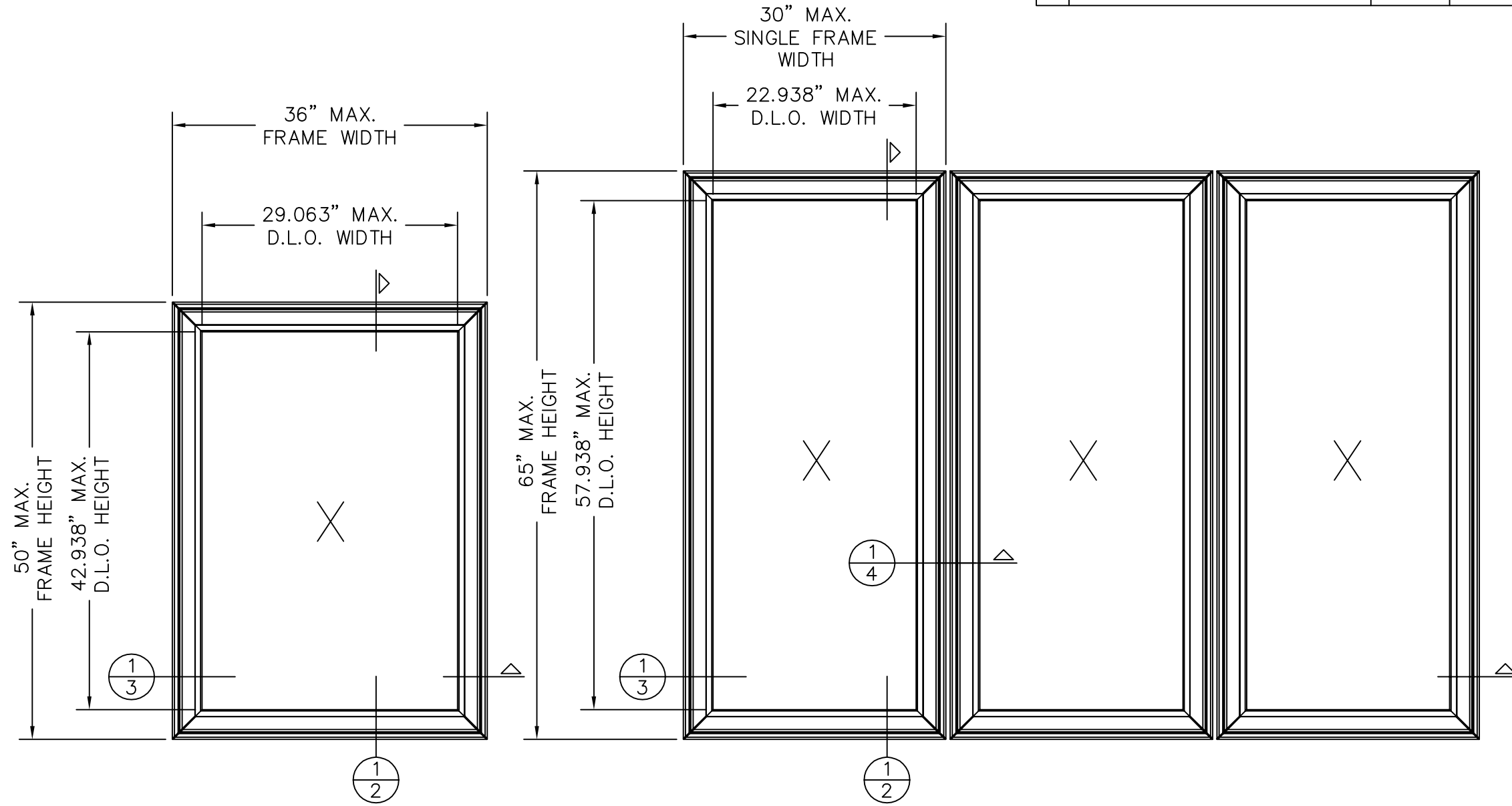
STORMBREAKER PLUS 300VL
IMPACT RESISTANT VINYL
CASEMENT

ALL MODELS ARE VIEWED FROM THE EXTERIOR

REV. #	REVISIONS:	REVISED BY:	DATE:
1	REVISED PER 2010 FLORIDA BUILDING CODE	C.P.	01-30-12
2	UPDATED ANCHORAGE, HARDWARE	L.T.	12-09-14
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GENERAL NOTES:

- 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". ONLY MIAMI-DADE COUNTY APPROVED CORROSION RESISTANT FASTENERS AND ITW TAPCON FASTENERS SHALL BE USED. WINDOW INSTALLERS SHALL FOLLOW ALL MANUFACTURER'S INSTRUCTIONS.
- HIGH QUALITY SILICONE CAULK SHALL BE USED AROUND ENTIRE WINDOW PERIMETER, INSIDE AND OUT.
- WOOD BUCKS (BY OTHERS) MUST SUSTAIN ALL IMPOSED LOADS. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WINDOW OPENING AND ALL WOOD FRAMING AROUND WINDOW. WOOD BUCKS, BY OTHERS, MUST BE PROPERLY ANCHORED TO TRANSFER LOADS TO THE STRUCTURE AND SHALL BE INSPECTED BY A BUILDING OFFICIAL. WOOD BUCK MIN. G = 0.42.
- BASED ON LABORATORY TEST REPORT NUMBERS 82308.01-501-18 & 83716.01-501-18 BY ARCHITECTURAL TESTING, INC. AND 810 BY SIMONTON. TEST METHODS TAS 201, TAS 202, AND TAS 203 WERE USED.
- THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE 2010 FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ). GLAZING IS ASTM E-1300-04 COMPLIANT.
- NO SHUTTERS OR EXTERNAL PROTECTION DEVICES ARE REQUIRED.
- HARDWARE NOT SHOWN IN DRAWINGS. HINGES, OPERATORS, SNUBBERS, KEEPERS, ETC. MAY BE TRUTH PAINTED CARBON STEEL OR STAINLESS STEEL, OR ASHLAND STAINLESS STEEL.
- 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



36" X 50" CASEMENT
STORMBREAKER PLUS

LARGE MISSILE IMPACT

91" X 65" CASEMENT TRIPLE
STORMBREAKER PLUS

DESIGN PRESSURE RATING
+55.0 PSF -55.0 PSF

DESIGN PRESSURE RATING
+50.0 PSF -50.0 PSF

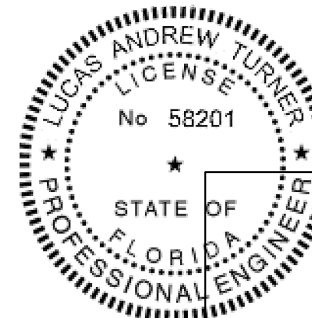


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5	ANCHORING LOCATIONS
6	COMPONENTS, BILL OF MATERIALS, GLAZING DETAILS
7	MULLION DETAILS FOR TRIPLE UNIT

12/9/2014

LUCAS A. TURNER, P.E. FL PE #58201
TURNER ENGINEERING & CONSULTING, INC.
FBPE C.O.A. #29779 Ph. 941-380-1574
2080 MAUVE TER., NORTH PORT, FL 34286

SIMONTON
WINDOWS
1 Cochrane Avenue
Pennsboro, WV 26415

SCALE: FIT SHEET: 1 of 7 APPRVD BY: C.P. DATE: 01/30/12

SERIES: STORMBREAKER PLUS 300VL CASEMENT

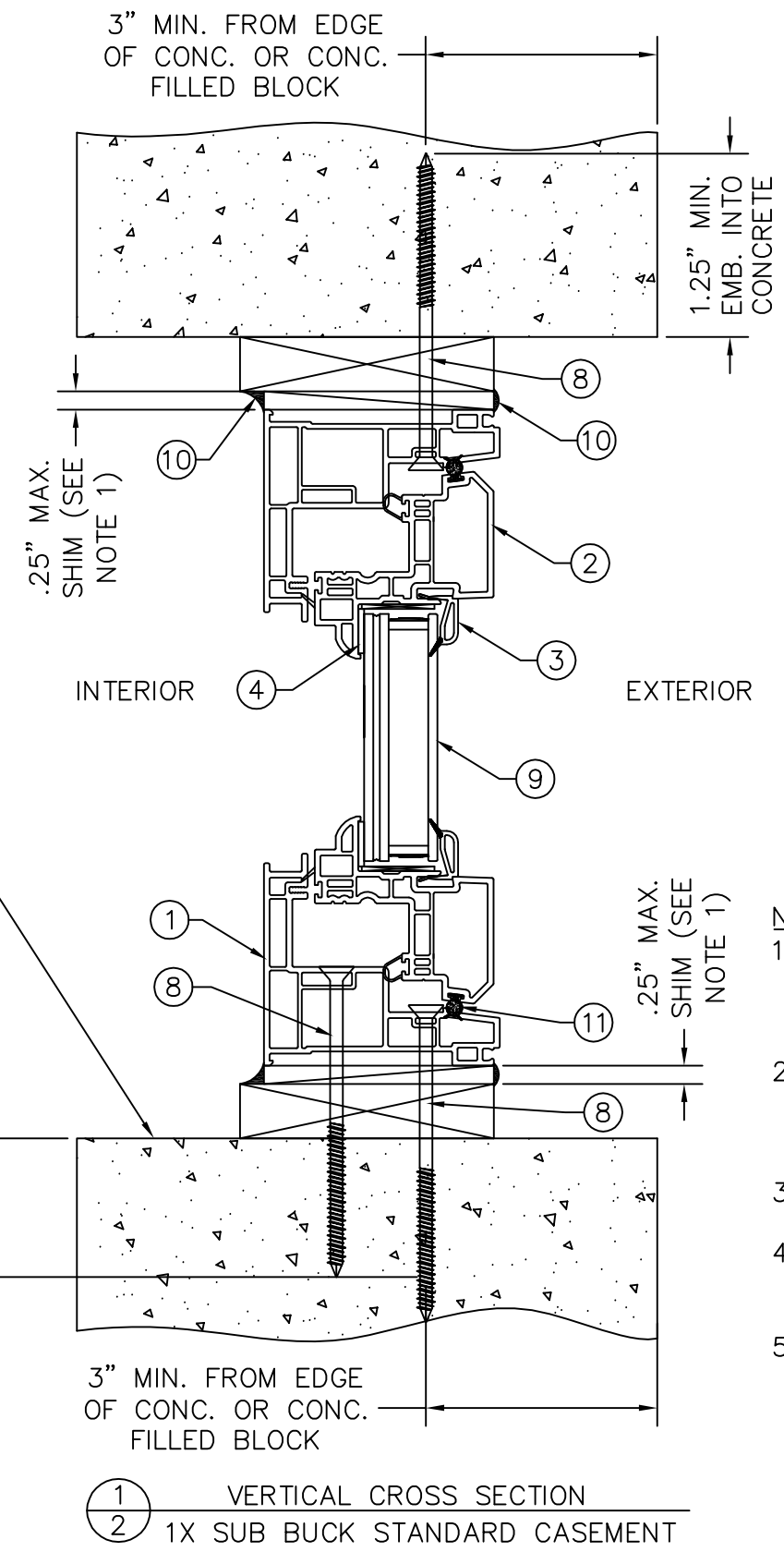
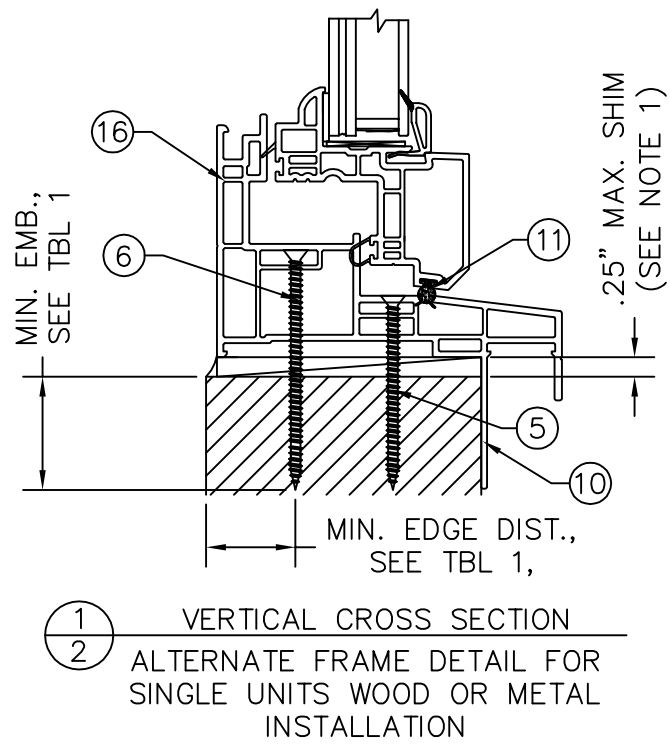
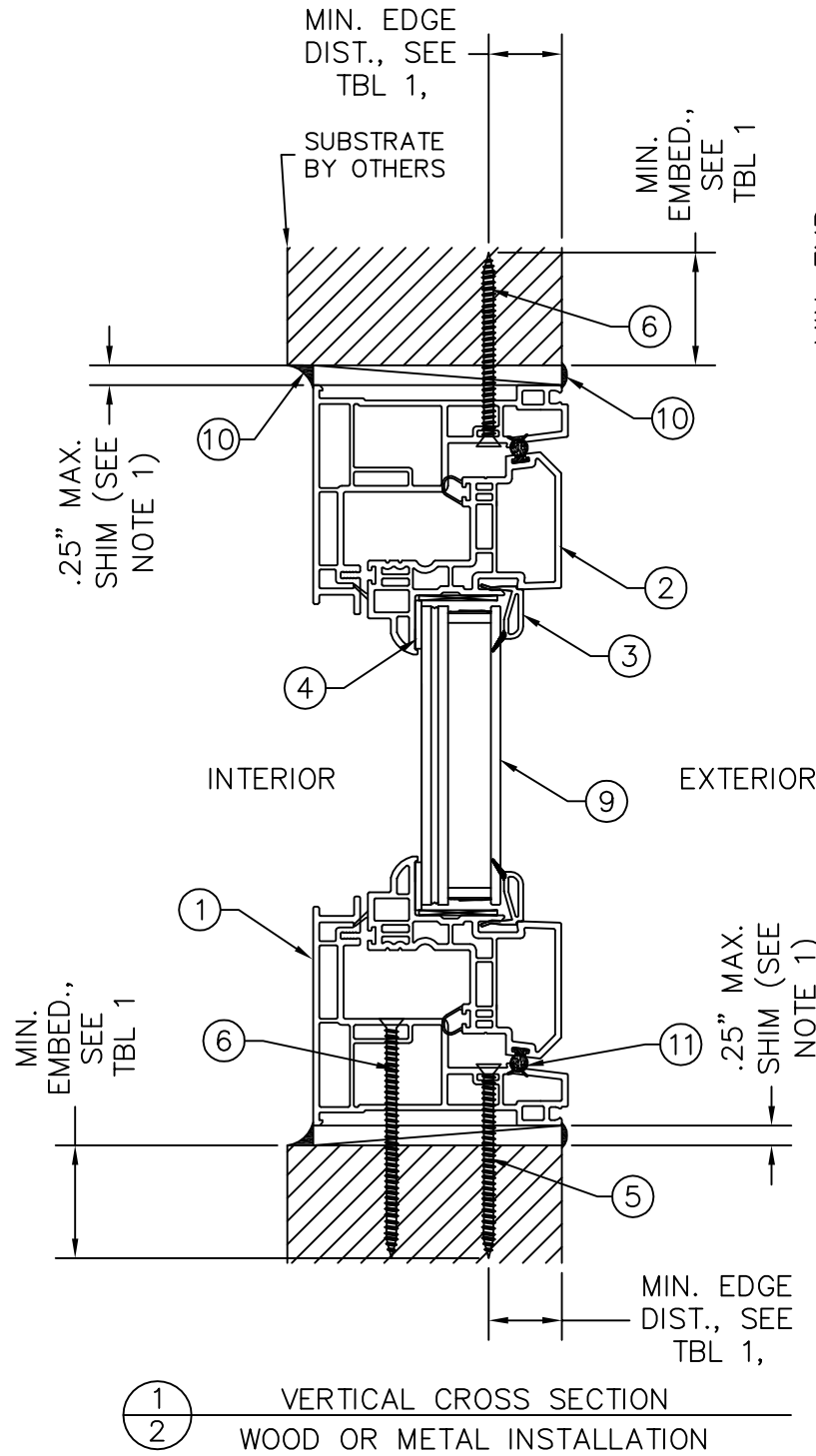
TITLE: GENERAL NOTES & TYPICAL ELEVATIONS

SIZE: DRAWING NO.: REV.:
B DA0007 2

DRAWN BY: DATE:
GLS 10/13/08

CHECKED BY: DATE:

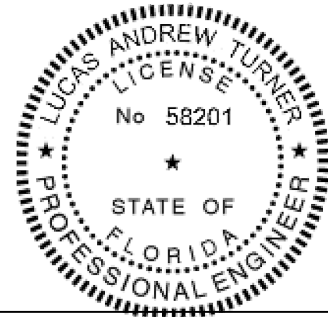
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- NOTES:
1. THE SHIM IS REQUIRED TO BE A "RIGID/STIFF" MATERIAL THAT COMPLIES WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HVHZ.
 2. CORROSION RESISTANT FASTENERS AND MATERIALS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.
 3. APPLY CAULK AROUND SCREWS AT THE SILL ONLY.
 4. REPLACE SECOND AND BOTTOM HINGE TRACK SCREWS WITH INSTALLATION SCREWS, ITEM NUMBER 6 (WOOD) OR 8 (CONC.)
 5. REPLACE ONE OPERATOR BRACKET SCREW WITH INSTALLATION SCREWS, ITEM NUMBER 6 (WOOD) OR 8 (CONC.)

TABLE 1: INSTALLATION FASTENERS

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBED	MIN. EDGE DIST.
A	CONCRETE (2 KSI MIN.) THRU WINDOW	3/16" ITW TAPCON	1-1/4"	3"
	CONCRETE (2 KSI MIN.) THRU MULL CLIP	3/16" ITW TAPCON	1-3/4"	1-1/8"
B	HOLLOW OR GROUT-FILLED CMU (ASTM C90)	3/16" ITW TAPCON	1-1/4"	3"
C	2X MIN. SOUTHERN PINE WOOD (G=0.55)	3/16" ITW TAPCON	1-3/8"	3/4"
D	2X MIN. SOUTHERN PINE WOOD (G=0.55)	#10 WOOD SCREW	1-3/8"	3/4"
E	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI MIN.	#10 GRADE 5 SELF-TAPPING/DRILLING SCREW	SEE NOTE 8, SHEET 1	1/2"



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SIMONTON
WINDOWS

1 Cochrane Avenue
Pennsboro, WV 26415

SIZE: DRAWING NO.:
B DA0007

REV.: 2

DRAWN BY: GLS DATE: 10/13/08

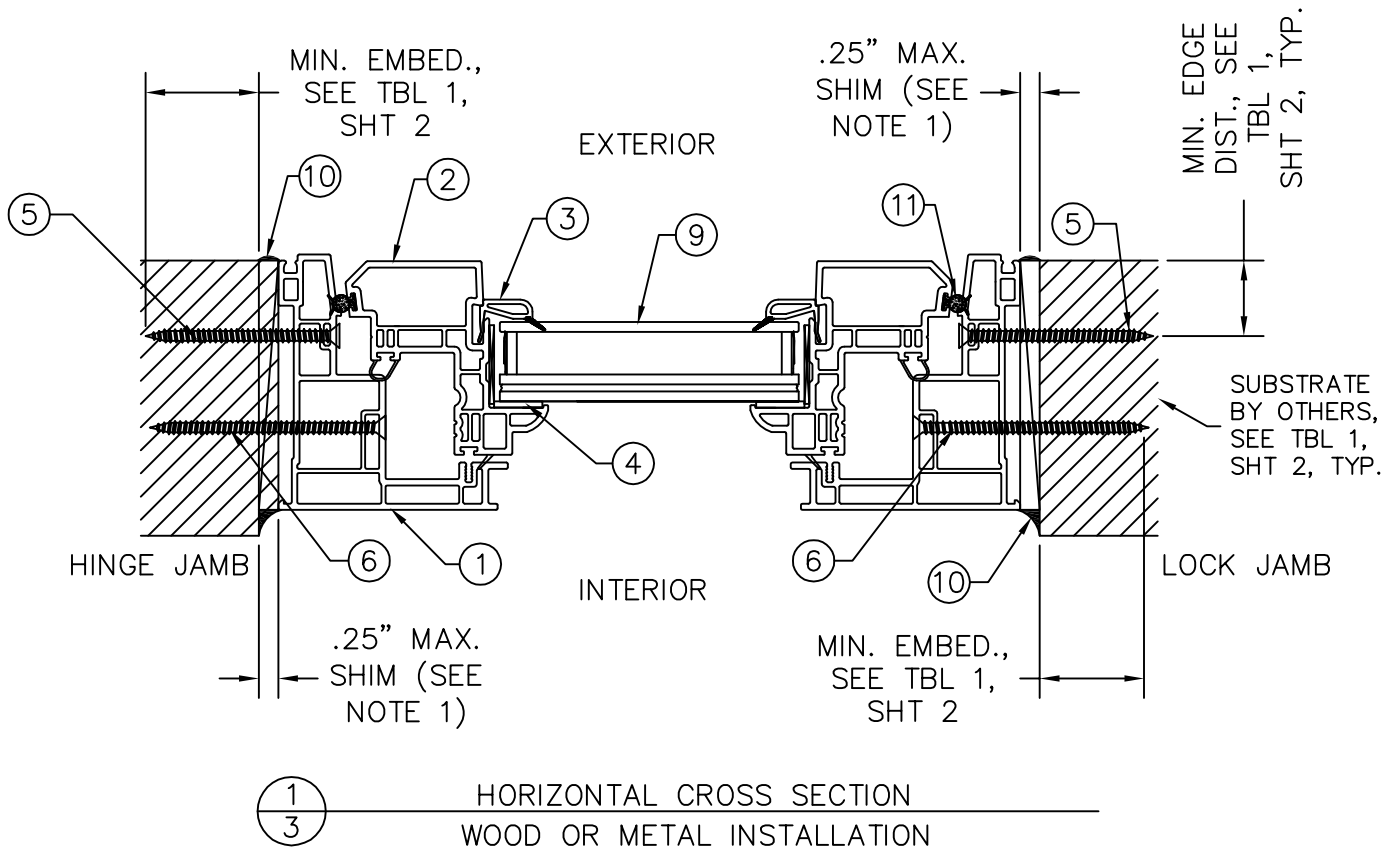
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SCALE: FIT SHEET: 2 of 7 APPRVD BY: C.P. DATE: 01/30/12

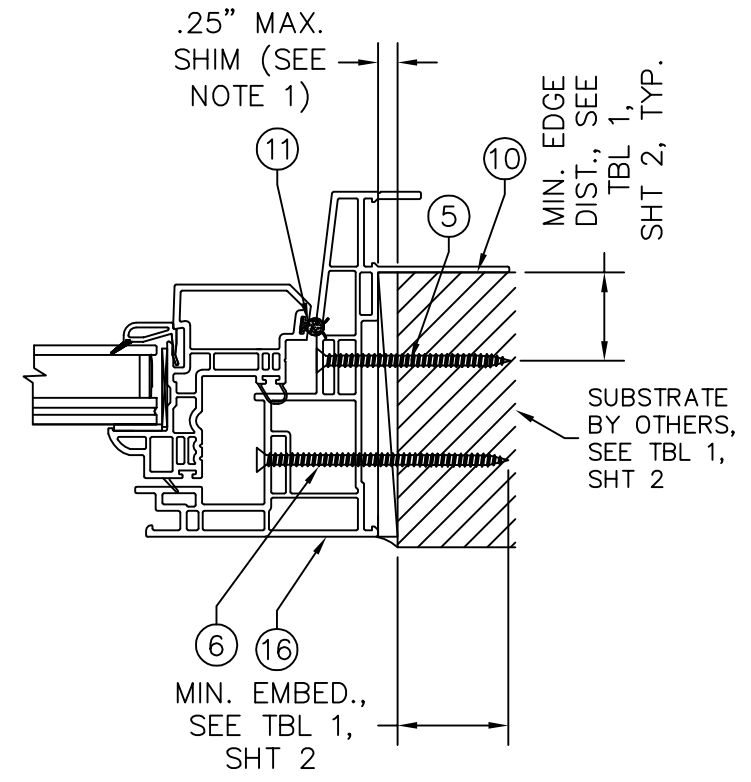
SERIES: STORMBREAKER PLUS 300VL CASEMENT

TITLE: VERTICAL CROSS SECTIONS

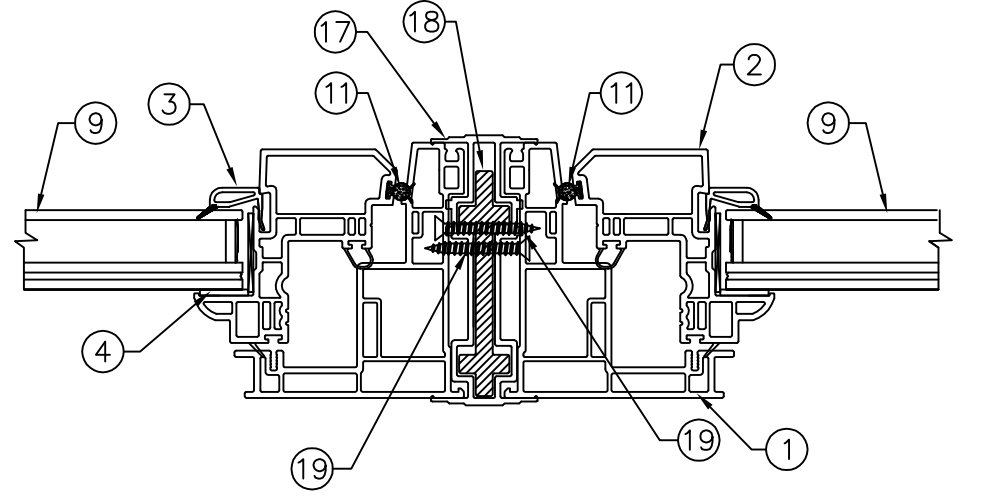
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1
3 HORIZONTAL CROSS SECTION
WOOD OR METAL INSTALLATION

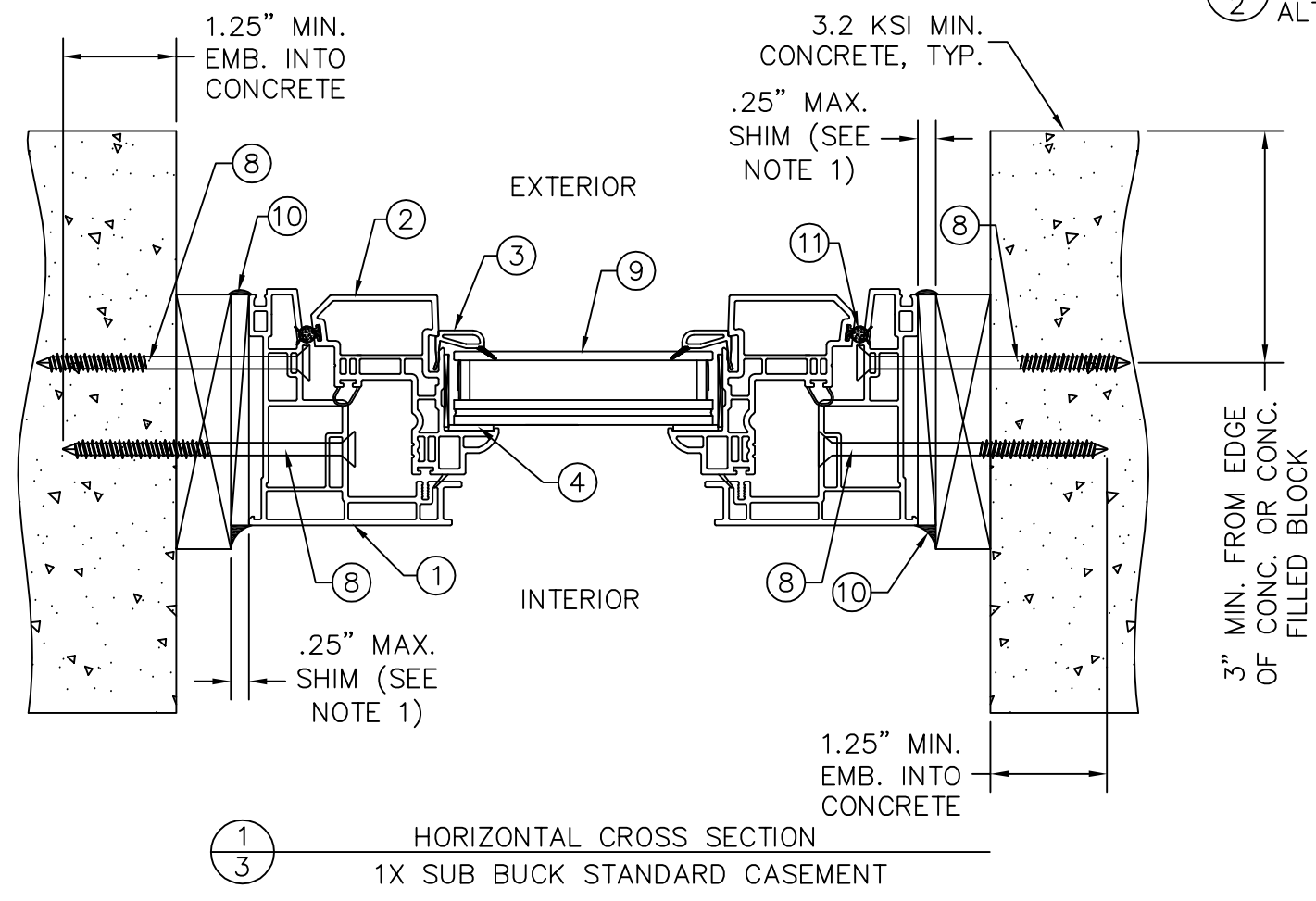


1
2 ALTERNATE FRAME DETAIL FOR SINGLE UNITS
WOOD OR METAL INSTALLATION



1
4 HORIZONTAL CROSS SECTION
TRIPLE MULLION UNIT DETAIL

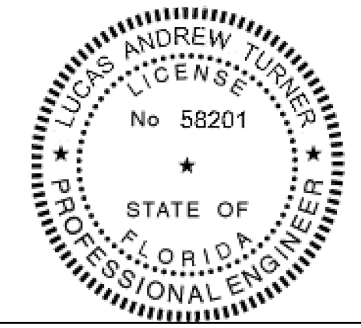
THE CASEMENT FRAMES ARE ATTACHED TO THE MULLION WITH (4) #10 X 1 3/4" PHILLIPS FLAT HEAD UNDER-CUT SCREWS SPACED FROM THE TOP DOWN 6.0", 19.5", 32.75", 46.0" AND 59.0".



1
3 HORIZONTAL CROSS SECTION
1X SUB BUCK STANDARD CASEMENT

NOTES:

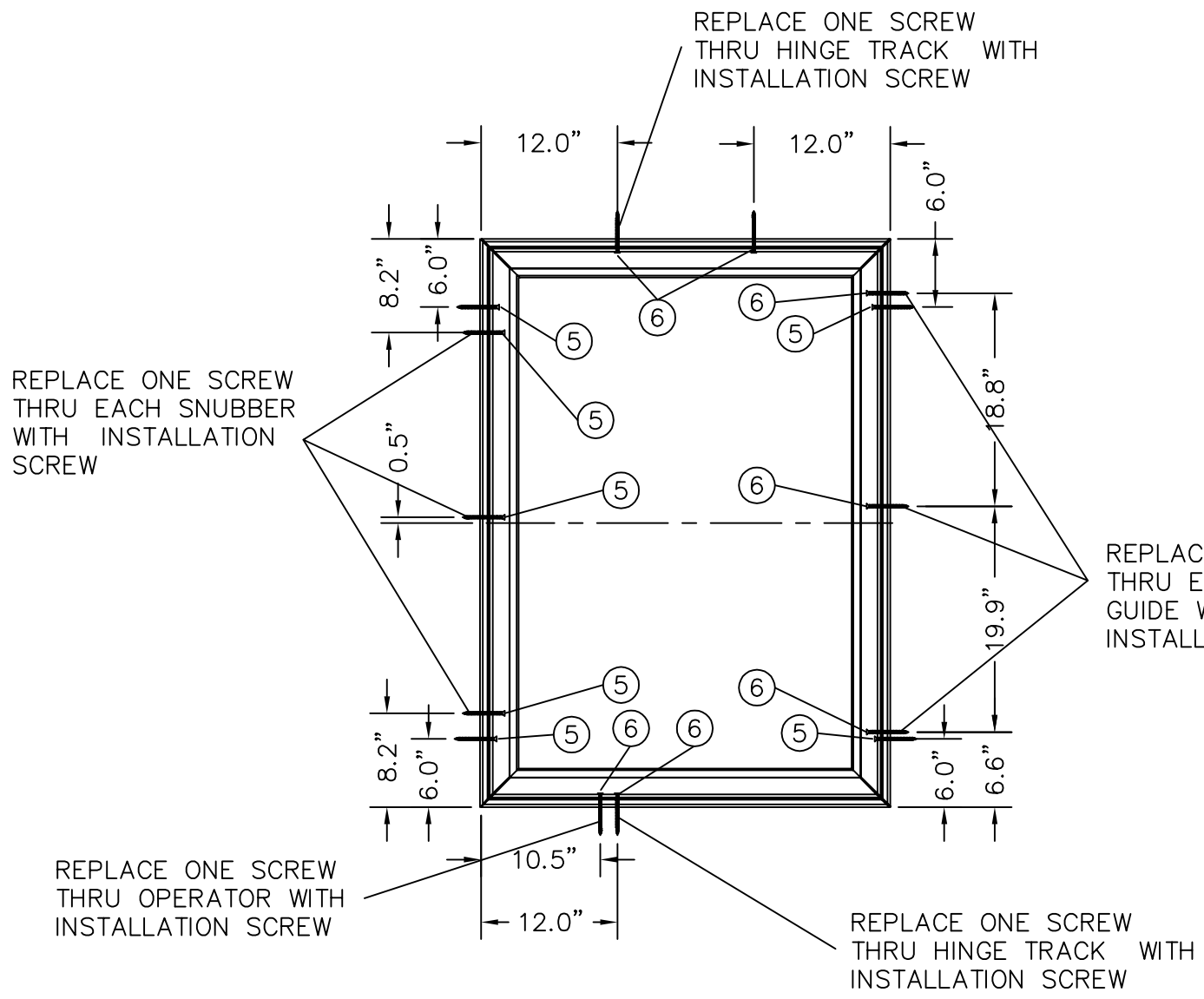
1. THE SHIM IS REQUIRED TO BE A "RIGID/STIFF" MATERIAL THAT COMPLIES WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HVHZ.
2. CORROSION RESISTANT FASTENERS AND MATERIALS THAT COME INTO CONTACT WITH DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.
3. REPLACE 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.)



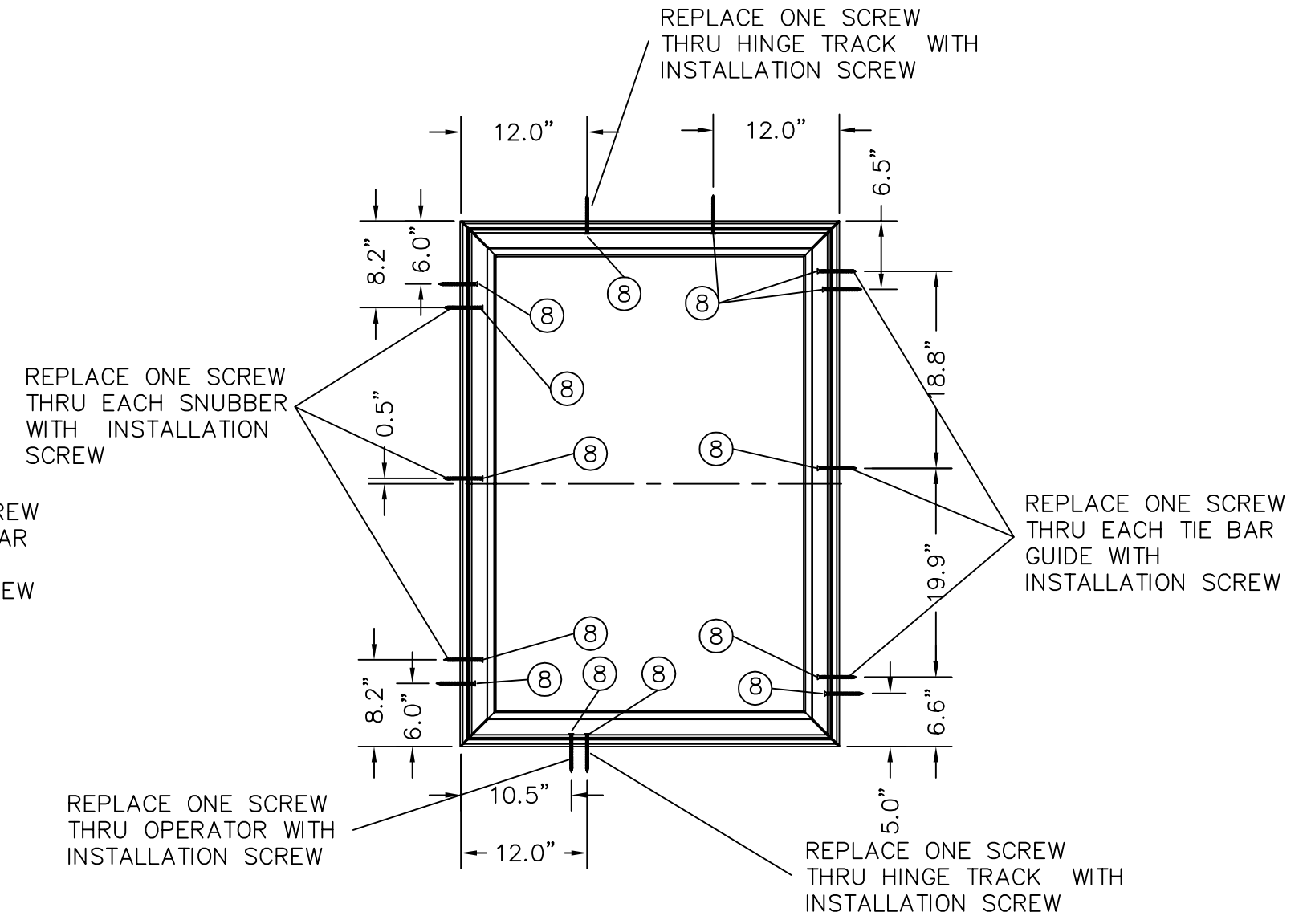
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	DRAWN BY: GLS	DATE: 10/13/08
12/9/2014	SCALE: FIT	SHEET: 3 of 7
SERIES: STORMBREAKER PLUS 300VL CASEMENT	APPRVD BY: C.P.	DATE: 01/30/12
LUCAS A. TURNER, P.E. FL PE #58201 TURNER ENGINEERING & CONSULTING, INC. FBPE C.O.A. #29779 Ph. 941-380-1574 2080 MAUVE TER., NORTH PORT, FL 34286		TITLE: HORIZONTAL CROSS SECTIONS

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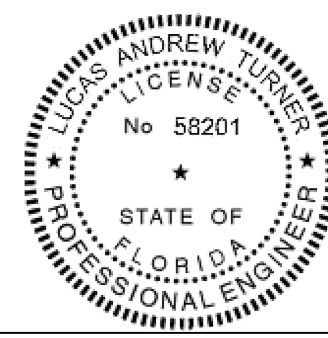
NOTES:
 1. WHEN ANCHORING CASEMENT WINDOWS TO A 2X BUCK, USE ITEMS 5 & 6 (#10 X 2 1/2" & #10 X 3" PH FH WOOD SCREWS). WHEN ANCHORING CASEMENT WINDOWS TO A 1X BUCK AND CONCRETE USE ITEM #8 (3/16" X 3 1/4" ITW TAPCONS) WITH EDGE DISTANCE GREATER THAN 2.0".



36" X 50" CASEMENT
 2X SUB BUCK ANCHORING LOCATIONS

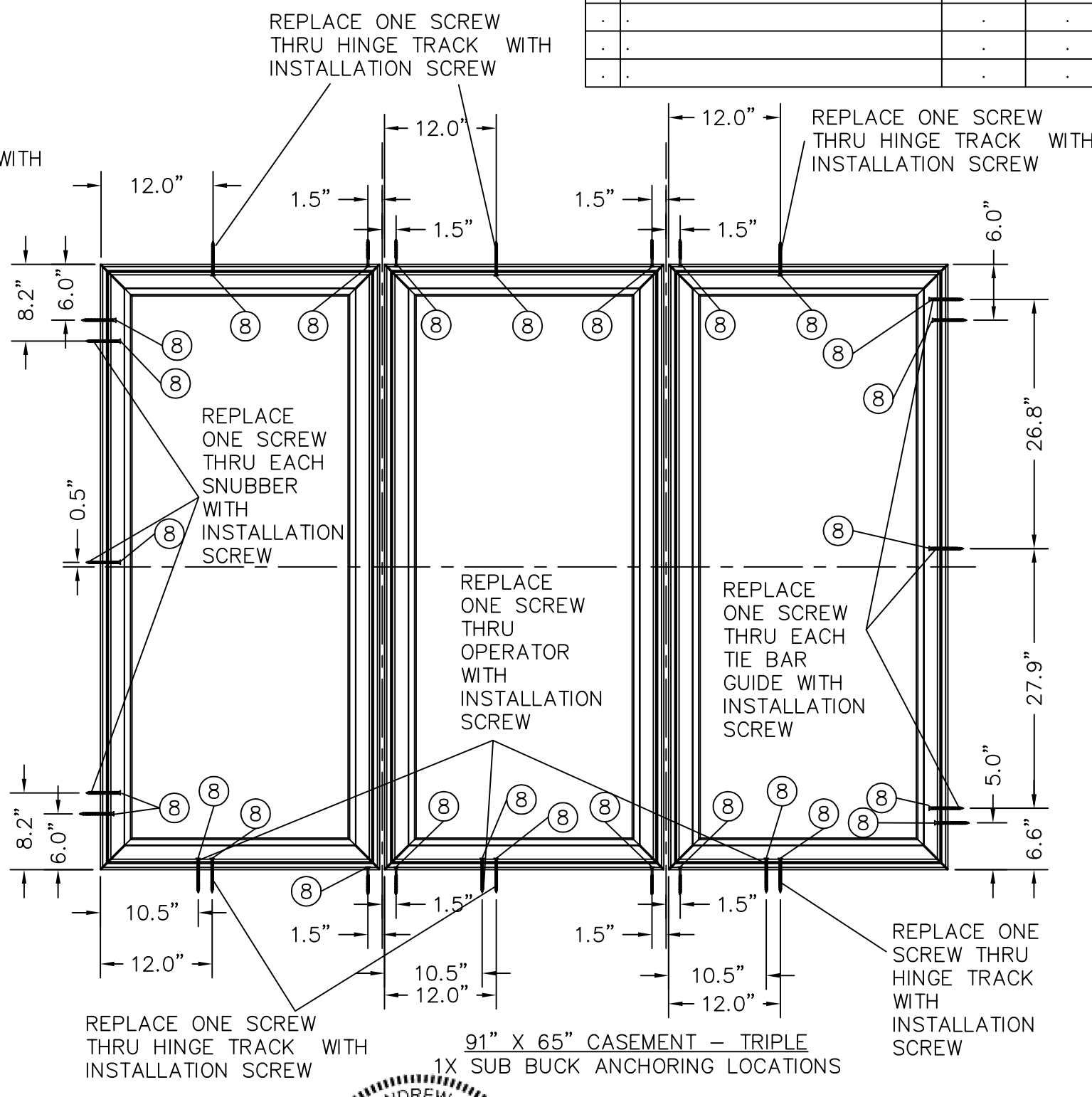
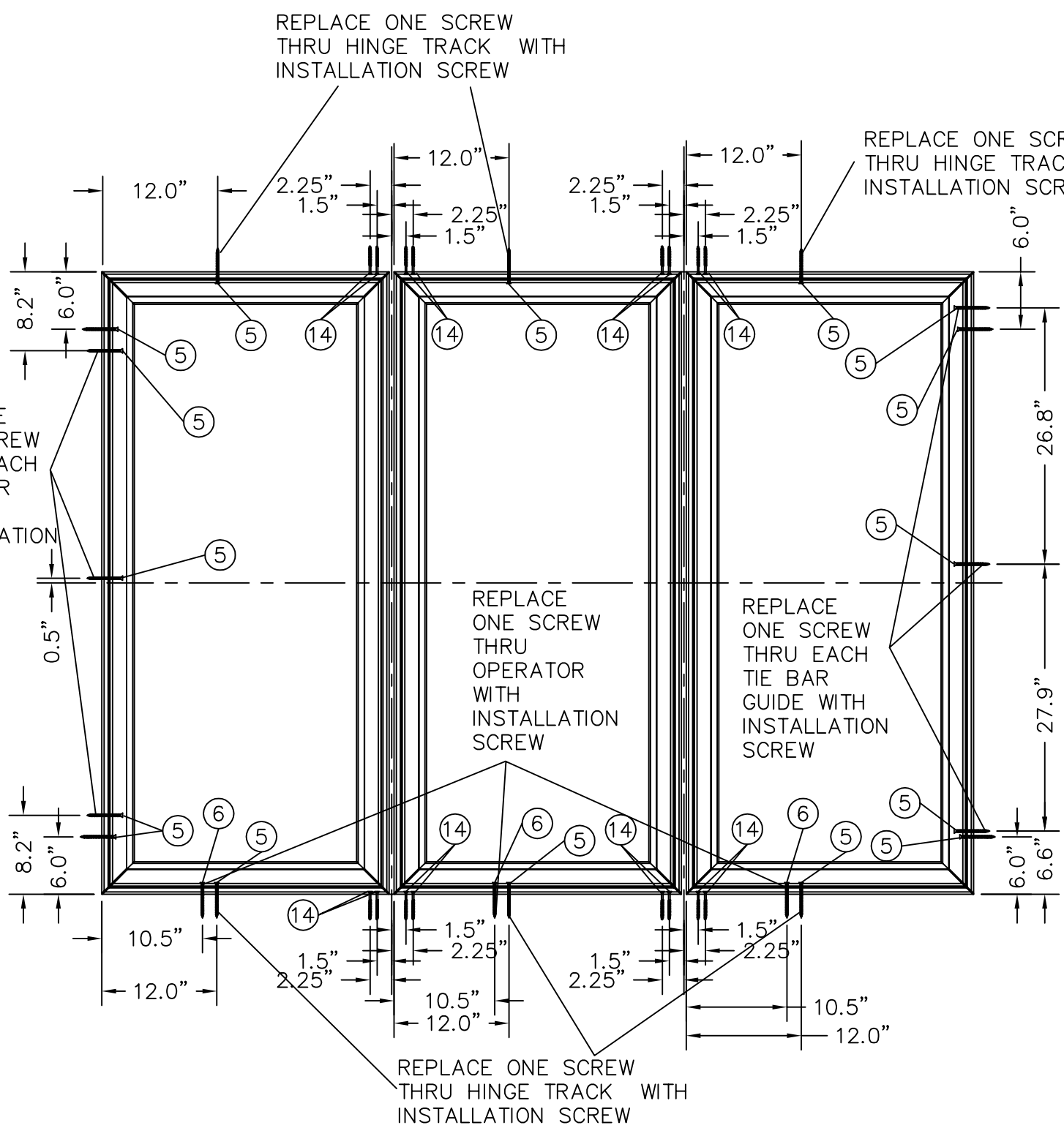


36" X 50" CASEMENT
 1X SUB BUCK ANCHORING LOCATIONS



 12/9/2014	SIMONTON WINDOWS 1 Cochrane Avenue Pennsboro, WV 26415		SIZE: B DRAWING NO.: DA0007 REV.: 2
	SCALE: FIT SHEET: 4 of 7	DRAWN BY: GLS CHECKED BY:	DATE: 10/13/08 DATE:
LUCAS A. TURNER, P.E. FL PE #58201 TURNER ENGINEERING & CONSULTING, INC. FBPE C.O.A. #29779 Ph. 941-380-1574 2080 MAUVE TER., NORTH PORT, FL 34286		APPRVD BY: C.P. DATE: 01/30/12	SERIES: STORMBREAKER PLUS 300VL CASEMENT TITLE: ANCHORING LOCATIONS

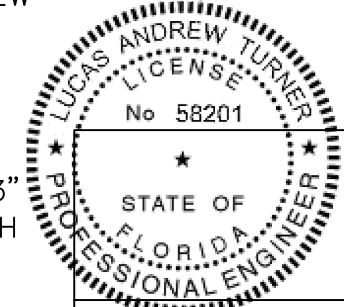
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91" X 65" CASEMENT - TRIPLE WOOD OR METAL ANCHORING LOCATIONS

91" X 65" CASEMENT - TRIPLE 1X SUB BUCK ANCHORING LOCATIONS

- NOTES:**
1. WHEN ANCHORING CASEMENT WINDOWS TO A 2X BUCK, USE ITEM 5 (#10 X 2 1/2" PH FH WOOD SCREWS) AND ITEM 6 (#10 X 3" PH FH WOOD SCREWS) THRU THE FRAME AND HARDWARE AS NOTED IN THE ELEVATION ABOVE. USE ITEM 14 (#10 X 1 1/2" PH FH WOOD SCREWS) THRU MULL CLIP BASE PLATES.
 2. WHEN ANCHORING CASEMENT WINDOWS TO A 1X BUCK AND CONCRETE USE ITEM 8 (3/16"ø X 3 1/4" ITW TAPCONS) THRU THE FRAME AND HARDWARE AS NOTED IN THE ELEVATION ABOVE. USE ITEM 15 (1/4"ø X 2" ITW TAPCONS) THRU MULL CLIP BASE PLATES. ALL TAPCONS SHALL MAINTAIN EDGE DISTANCE TO CONCRETE GREATER THAN 2.0".

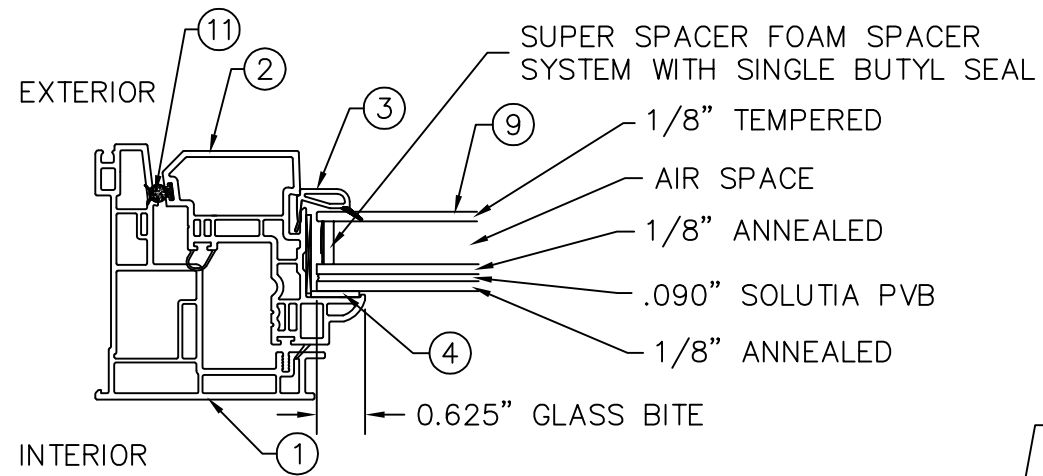


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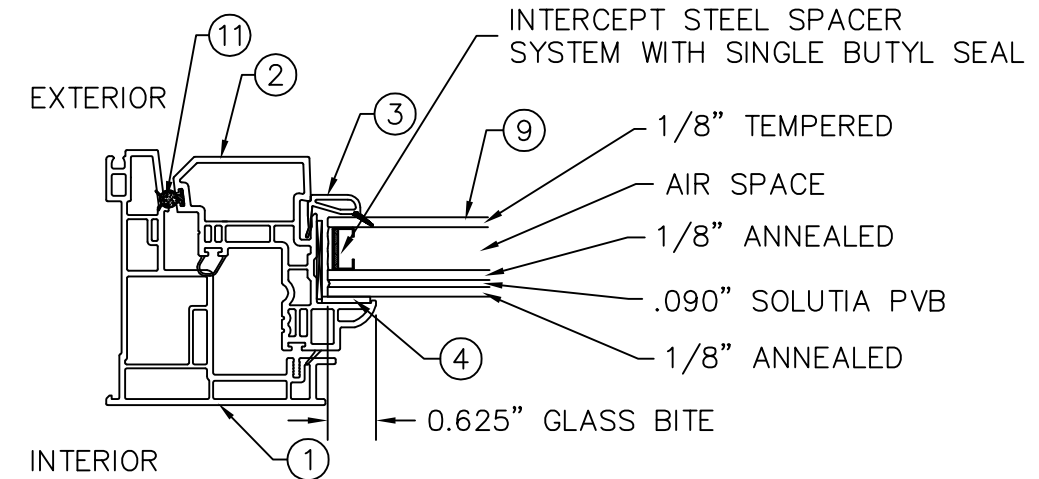
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 1 Cochrane Avenue Pennsboro, WV 26415	SIZE: B DRAWING NO.: DA0007 REV.: 2
	DRAWN BY: GLS CHECKED BY: DATE: 10/13/08
	SCALE: FIT SHEET: 5 of 7 APPRVD BY: C.P. DATE: 01/30/12
	SERIES: STORMBREAKER PLUS 300VL CASEMENT TITLE: ANCHORING LOCATIONS

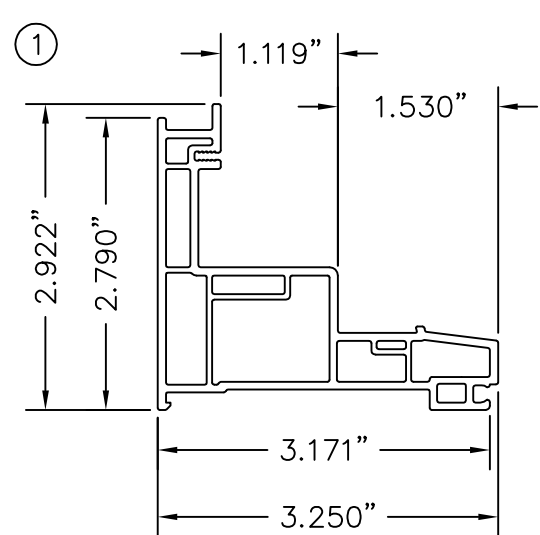
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
1	EXTRUDED CASEMENT FRAME	RIGID VINYL
2	EXTRUDED CASEMENT SASH	RIGID VINYL
3	EXTRUDED GLAZING BEAD	RIGID VINYL
4	GLAZING COMPOUND - PECORA 896 HIS	SILICONE
5	#10 X 2 1/2" PH FH WOOD SCREW FOR WOOD INSTALL #10 X 2 1/2" SELF-DRILLING SCREW FOR METAL INSTALL	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-----	
14	#10 X 1 1/2" PH FH WOOD SCREW	STEEL
	-----NOT USED-----	
16	EXTRUDED CASEMENT FRAME WITH INTEGRAL FLANGE	RIGID VINYL
17	EXTRUDED VINYL MULLION COVER	RIGID VINYL
18	MULLION REINFORCEMENT #20634	ALUMINUM
19	#10 X 1 3/4" PH FH UNDER-CUT SCREW	STEEL



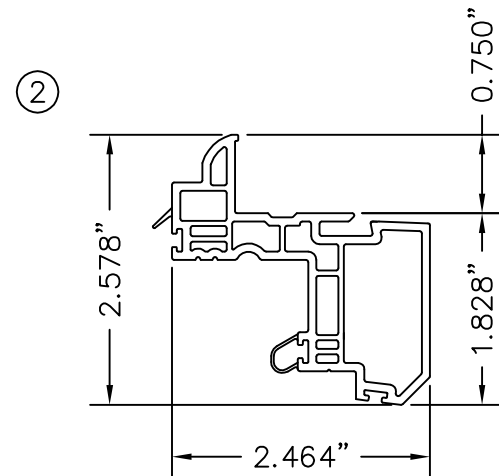
1.0" INSULATED TEMPERED/ANNEALED IMPACT
RESISTANT GLASS GLAZING DETAIL
36" X 50" CASEMENT



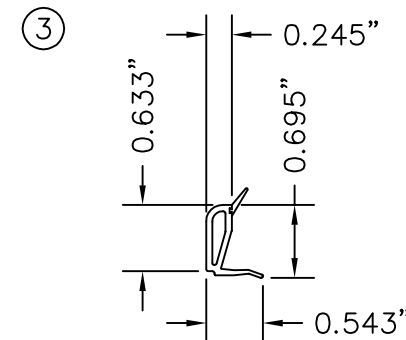
1.0" INSULATED TEMPERED/ANNEALED IMPACT
RESISTANT GLASS GLAZING DETAIL
91" X 65" CASEMENT TRIPLE



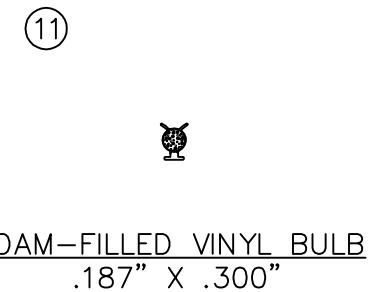
CASEMENT WINDOW FRAME
0.079" MAX. WALL & 0.060" MIN. WALL



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

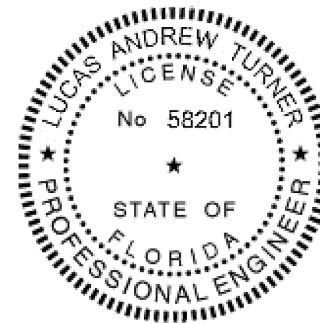


GLAZING BEAD
BV68



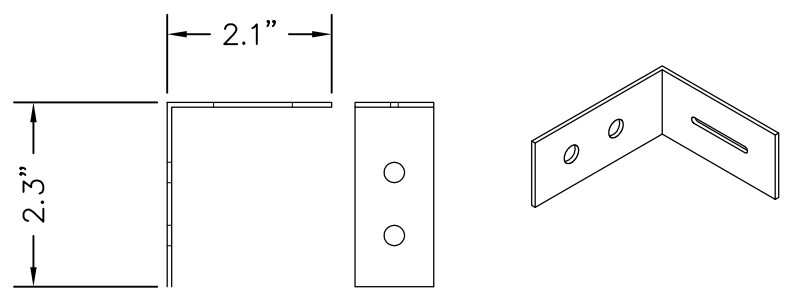
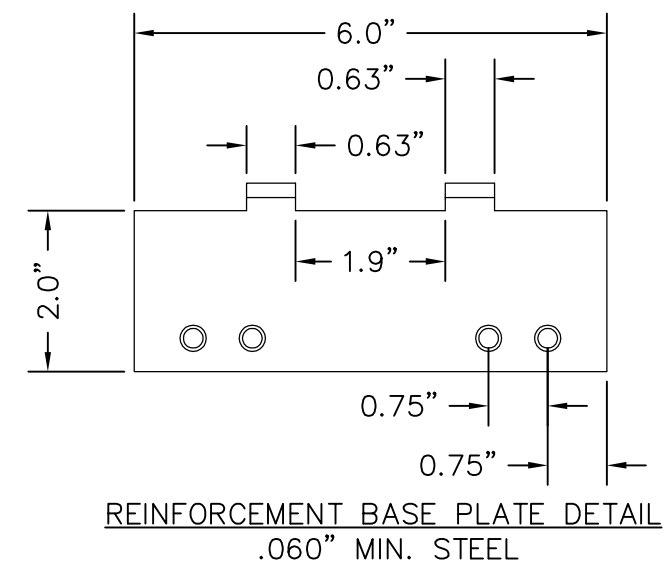
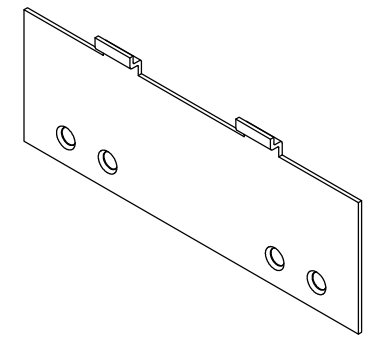
FOAM-FILLED VINYL BULB
.187" X .300"

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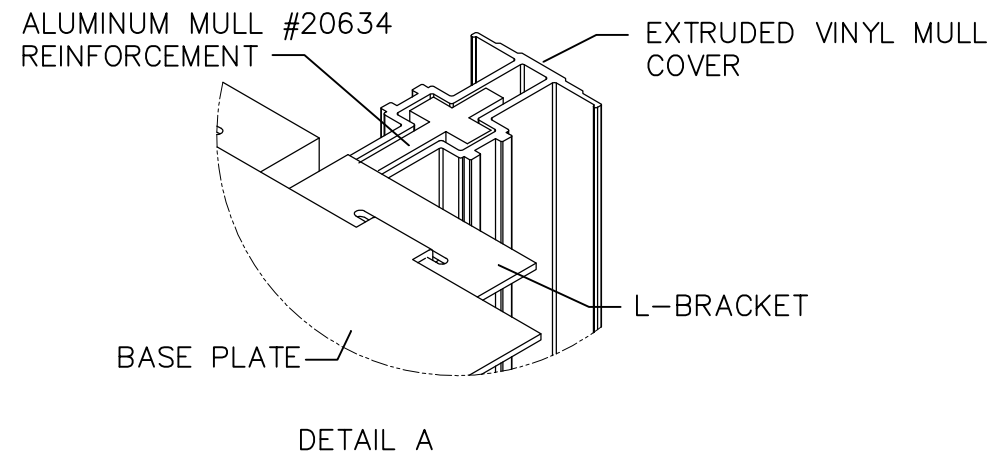


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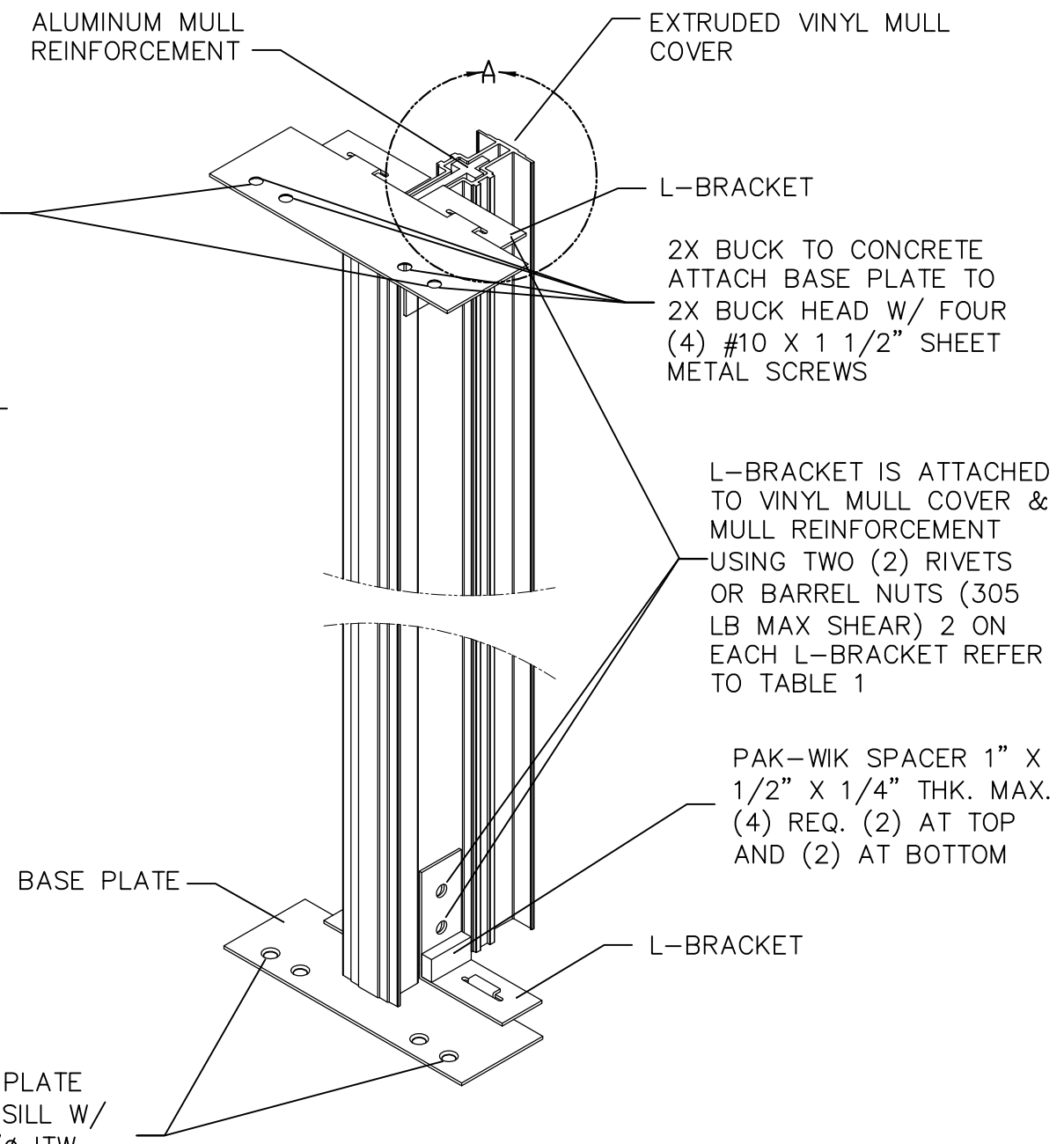


1X BUCK TO MASONRY ATTACH BASE PLATE TO CONCRETE HEAD W/ TWO (2) 3/16"Ø ITW TAPCON ANCHORS IN OUTER HOLES.



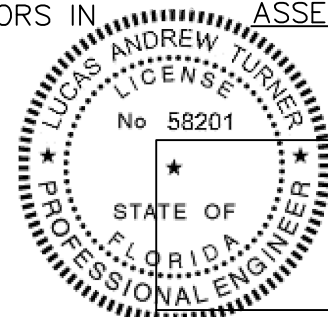
NOTES;
TAPCON ANCHORS SHALL BE ITW 3/16". A MINIMUM 1.75" EMBEDMENT INTO CONCRETE IS REQUIRED, WITH TAPCON CONCRETE EDGE DISTANCE GREATER THAN 1.125".

ATTACH BASE PLATE TO CONCRETE SILL W/ TWO (2) 3/16"Ø ITW TAPCON ANCHORS IN OUTER HOLES.



ASSEMBLED MULL AND ATTACHMENT VIEW

RIVET	.25 DIA. STEEL RIVET WITH A GRIP LENGTH OF .50 MAX.
BARREL NUT	#10-24 OR #10-32 STAINLESS STEEL BARREL NUT, .250 O.D. X .25" LG WITH .125 MIN ENGAGEMENT



22
12/9/2014

SIMONTON
WINDOWS
1 Cochrane Avenue
Pennsboro, WV 26415

SIZE: B	DRAWING NO.: DA0007	REV.: 2
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APPRVD BY: C.P.	DATE: 01/30/12	

SCALE: FIT SHEET: 7 of 7

SERIES: STORMBREAKER PLUS 300VL CASEMENT

TITLE: MULLION DETAILS FOR TRIPLE UNIT

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