



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

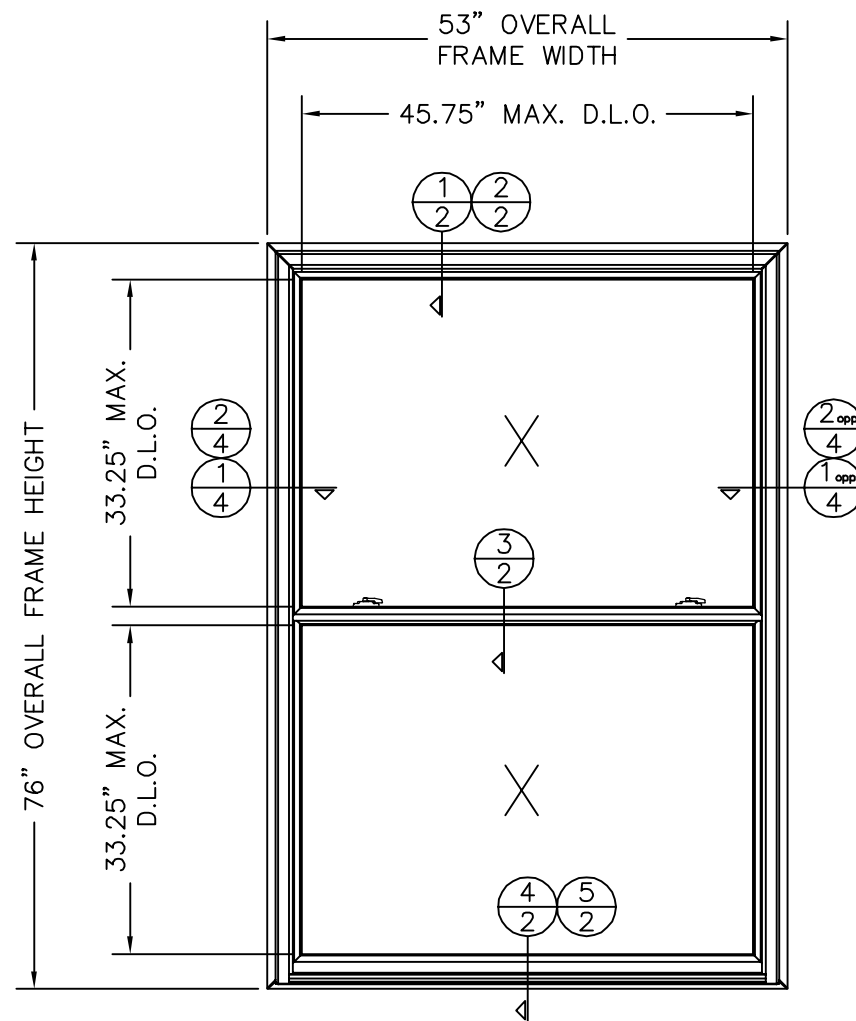
**STORMBREAKER PLUS 300VL
IMPACT RESISTANT VINYL
DOUBLE HUNG WINDOW**

ALL MODELS ARE VIEWED FROM THE EXTERIOR

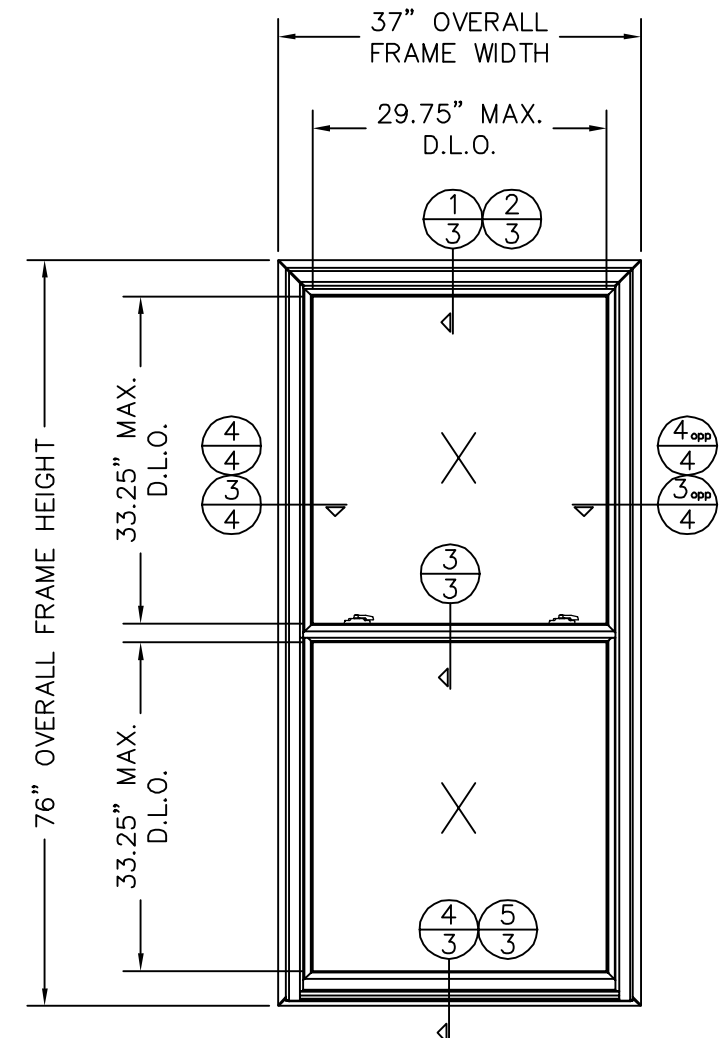
REV. #	REVISIONS:	REVISED BY:	DATE:
1	REVISED ANCHORAGE FOR 5TH ED. 2014 FBC	LAT	4/27/2015
2	UPDATED DP RATING PER NEW TESTING	LMH	4/10/2017
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GENERAL NOTES:

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE 5TH EDITION (2014) FLORIDA BUILDING CODES, INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
2. BASED ON LABORATORY TESTING, THIS PRODUCT IS COMPLIANT WITH TAS 201/202/203 FOR LARGE MISSILE IMPACT PERFORMANCE. SHUTTERS ARE NOT REQUIRED.
3. GLAZING AS INDICATED HEREIN COMPLIES WITH ASTM E 1300-04
4. HIGH QUALITY SILICONE CAULK SHALL BE USED AROUND ENTIRE WINDOW PERIMETER, INSIDE AND OUT, BY INSTALLER.
5. 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 AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
6. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF INSTALLED PRODUCT ARE THE RESPONSIBILITY OF OTHERS.
7. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS. ANY DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT GALVANIC REACTIONS IN ACCORDANCE WITH CODE REQUIREMENTS.
8. A WINDLOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.

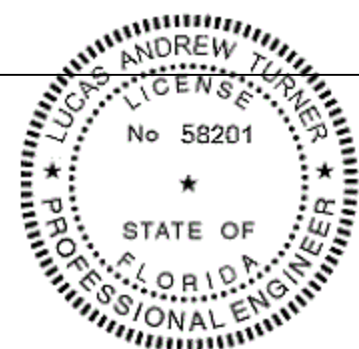


DESIGN PRESSURE RATING	IMPACT RATING
+55 PSF/-60 PSF	LARGE & SMALL MISSILE IMPACT

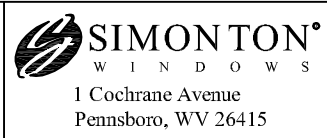


DESIGN PRESSURE RATING	IMPACT RATING
+65 PSF/-70 PSF	LARGE & SMALL MISSILE IMPACT

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SHEET #	DESCRIPTION
1	GENERAL NOTES & TYPICAL ELEVATIONS
2	53" X 76" VERTICAL CROSS SECTIONS
3	37" X 76" VERTICAL CROSS SECTIONS
4	HORIZONTAL CROSS SECTIONS & GLAZING DETAILS
5	ANCHORING LOCATIONS
6	COMPONENTS & BILL OF MATERIALS
7	COMPONENTS (CONTINUED)

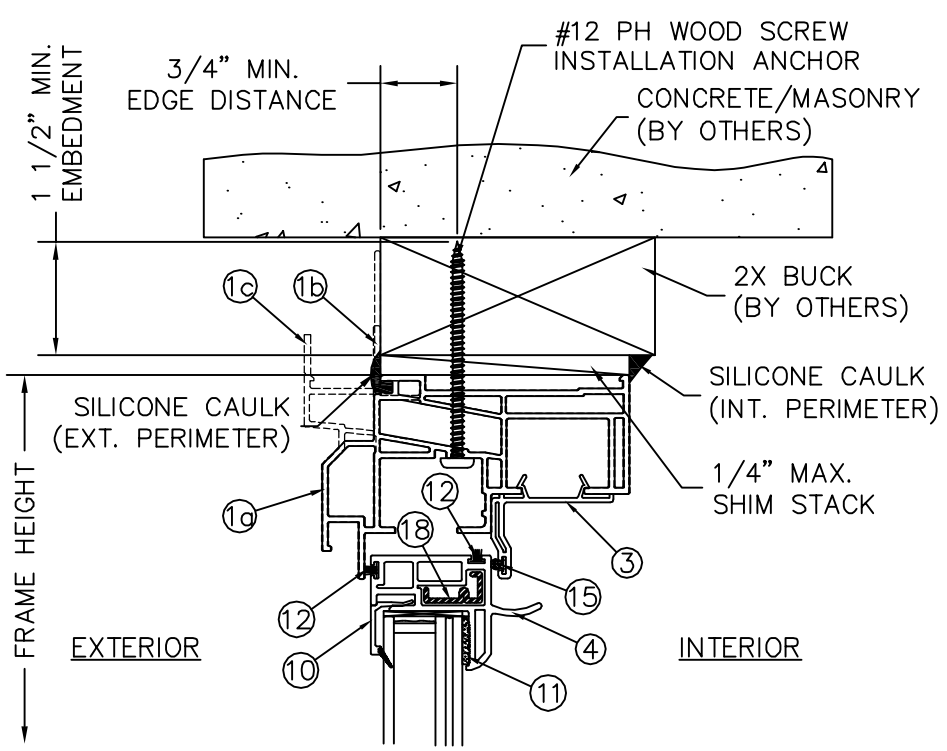


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4/28/2017
LUCAS A. TURNER, FL P.E. #58201
TURNER ENGINEERING &
CONSULTING, INC., FBPE COA #29779
1239 JABARA AVE., NORTH PORT, FL
PH. 941-380-1574, FAX 941-584-8591

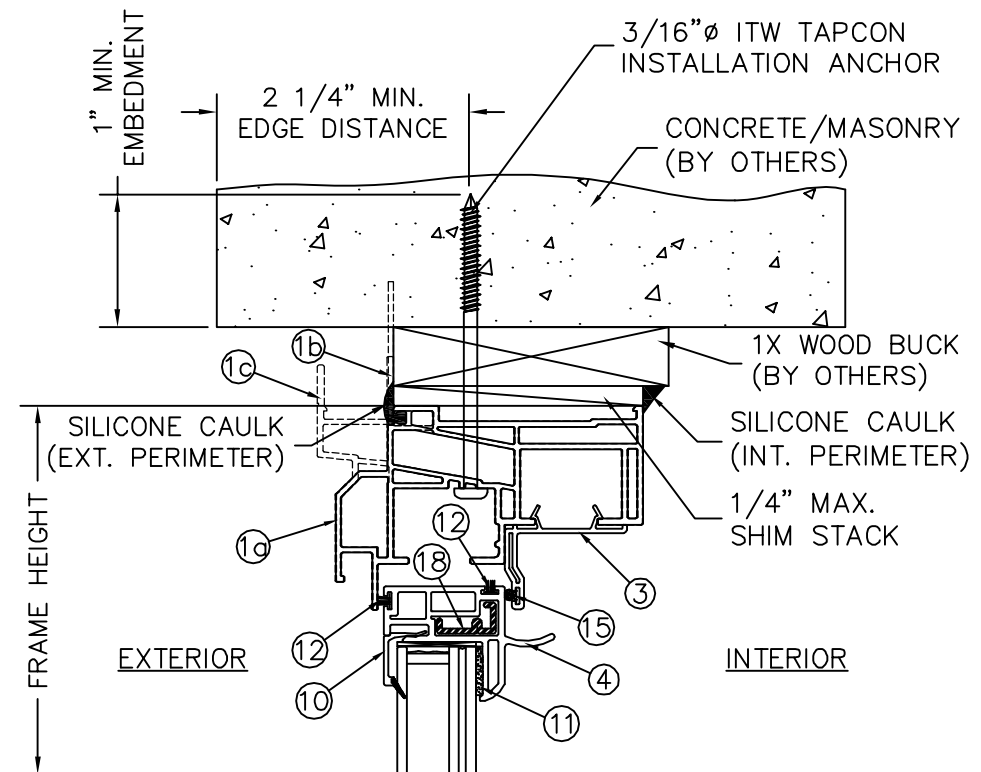


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T.D.D.	05/10/13
CHECKED BY:	DATE:
APPR'VD BY:	DATE:
SCALE: FIT	SHEET: 1 of 7
SERIES: STORMBREAKER PLUS 300VL DH (WITH ALT. FRAMES)	
TITLE: GENERAL NOTES & TYPICAL ELEVATIONS	

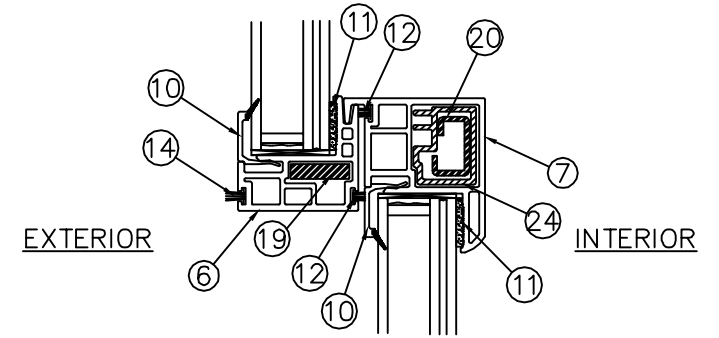
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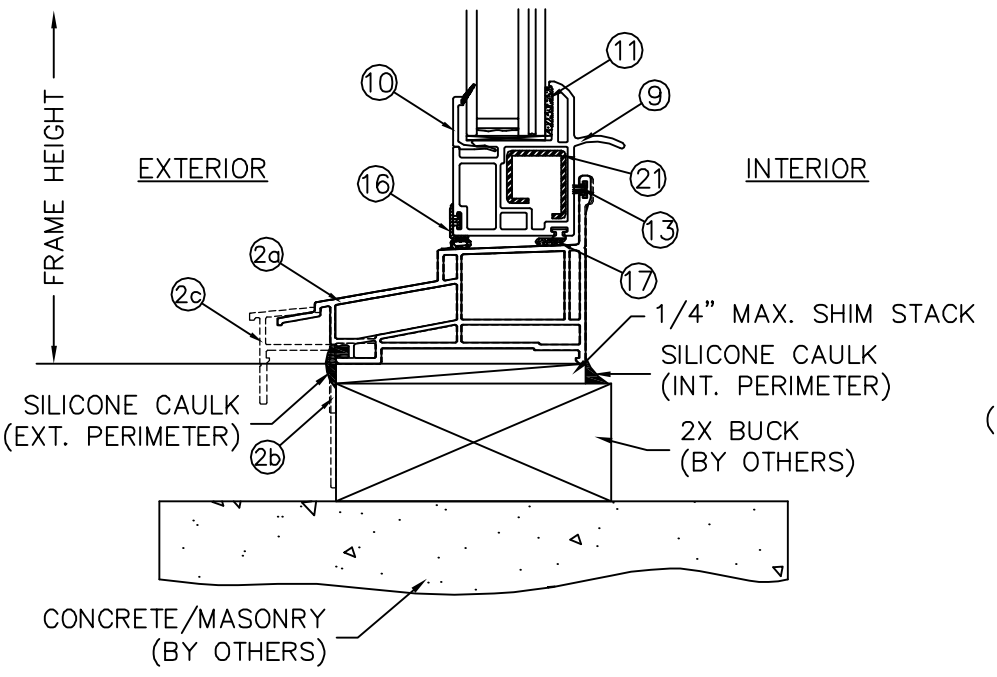
1 VERTICAL CROSS SECTION
2 53" X 76" HEAD (2X BUCK)
STEEL REINFORCEMENT



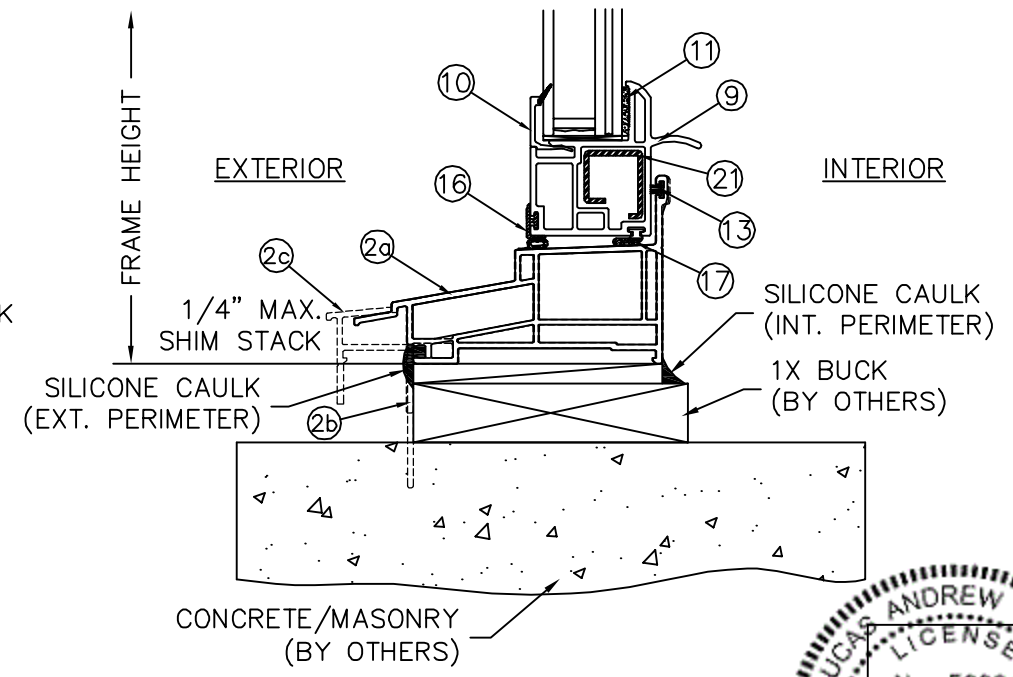
2 VERTICAL CROSS SECTION
2 53" X 76" HEAD (1X BUCK)
STEEL REINFORCEMENT



3 VERTICAL CROSS SECTION
2 53" X 76" MEETING RAIL
STEEL REINFORCEMENT

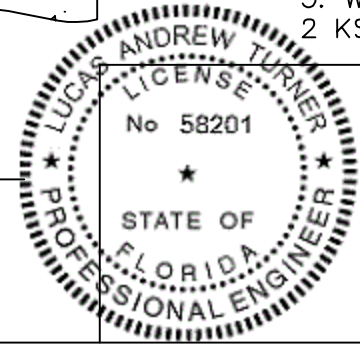


4 VERTICAL CROSS SECTION
2 53" X 76" SILL (2X BUCK)
STEEL REINFORCEMENT



5 VERTICAL CROSS SECTION
2 53" X 76" SILL (1X BUCK)
STEEL REINFORCEMENT

NOTES:
 1. SHIMS SHALL BE A "RIGID/STIFF" MATERIAL, PLASTIC OR METAL. 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".
 2. ONLY MIAMI-DADE COUNTY APPROVED CORROSION RESISTANT FASTENERS AND ELCO ULTRACON FASTENERS SHALL BE USED. WINDOW INSTALLERS SHALL FOLLOW ALL MANUFACTURER'S INSTRUCTIONS.
 3. WOOD SHALL BE SOUTHERN PIN MIN. WITH G=0.55 MIN. MASONRY SHALL BE 2 KSI MIN. CONCRETE OR ASTM C90 CMU WITH 117 PCF MIN.

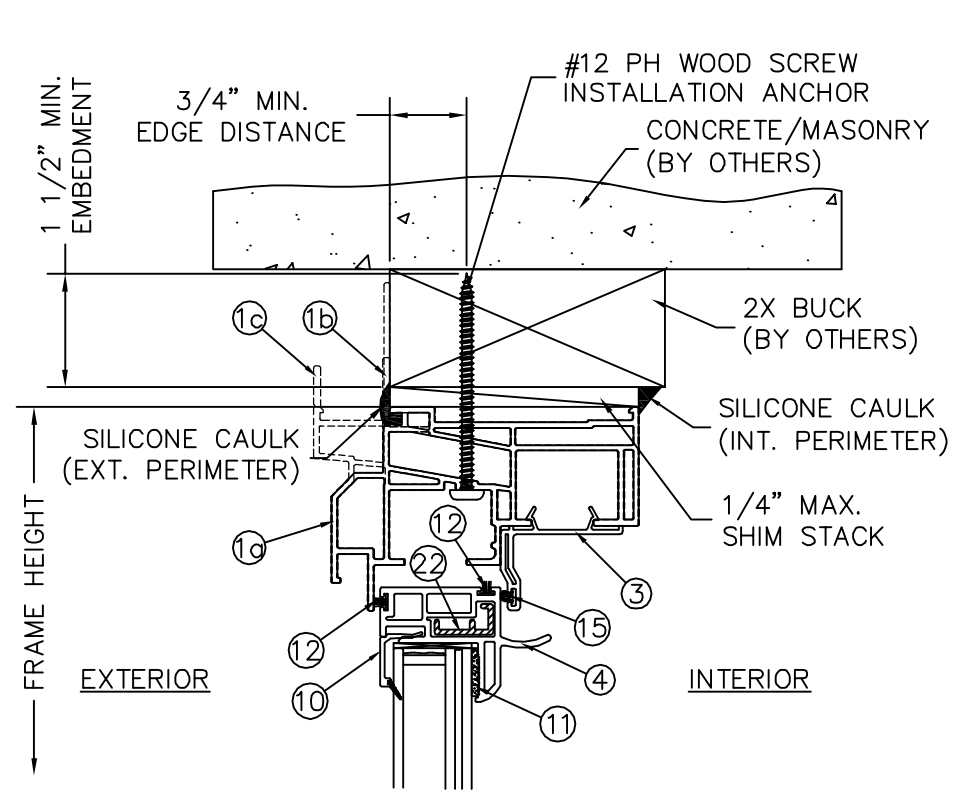


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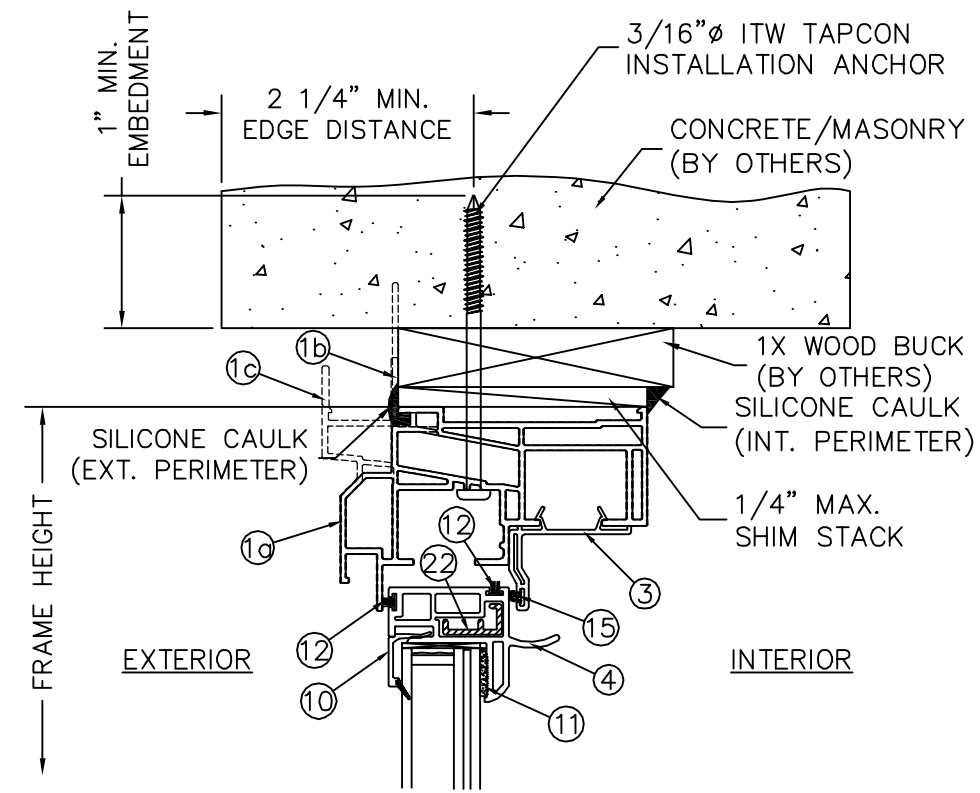
SIMONTON
 WINDOWS
 1 Cochrane Avenue
 Pennsboro, WV 26415

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SERIES:	STORMBREAKER PLUS 300VL DH (WITH ALT. FRAMES)				
TITLE:	VERTICAL CROSS SECTIONS (53" X 76" STEEL REINF.)				

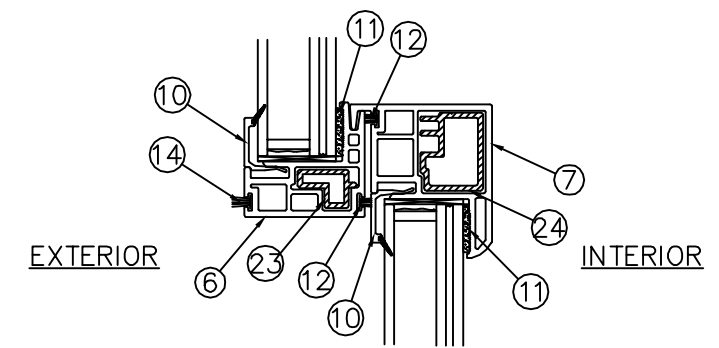
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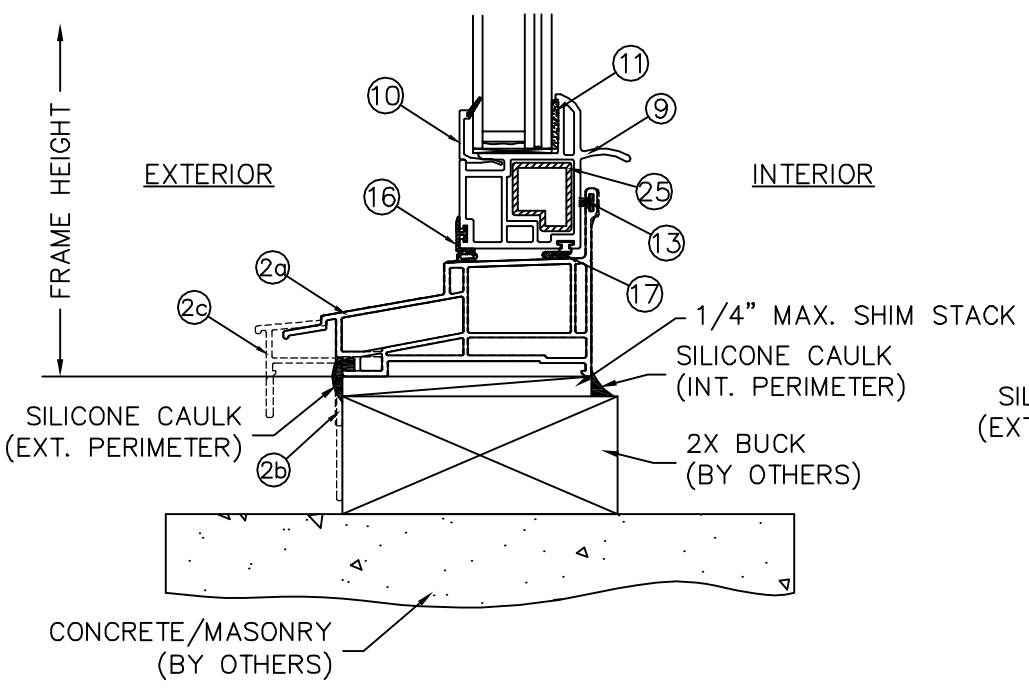
1
3
VERTICAL CROSS SECTION
37" X 76" HEAD (2X BUCK)
ALUMINUM REINFORCEMENT



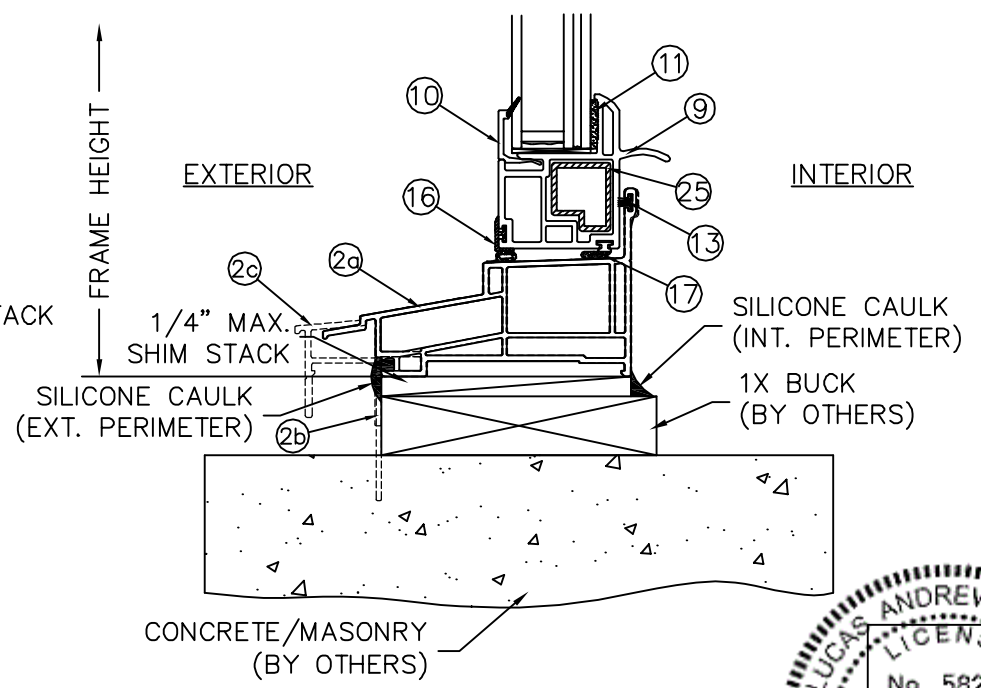
2
3
VERTICAL CROSS SECTION
37" X 76" HEAD (1X BUCK)
ALUMINUM REINFORCEMENT



3
3
VERTICAL CROSS SECTION
37" X 76" MEETING RAIL
ALUMINUM REINFORCEMENT

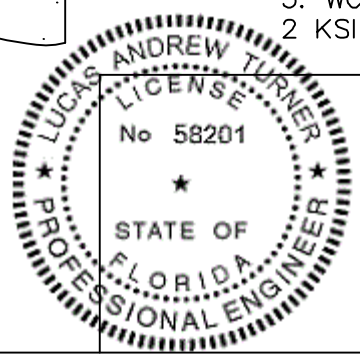


4
3
VERTICAL CROSS SECTION
37" X 76" SILL (2X BUCK)
ALUMINUM REINFORCEMENT



5
3
VERTICAL CROSS SECTION
37" X 76" SILL (1X BUCK)
ALUMINUM REINFORCEMENT

NOTES:
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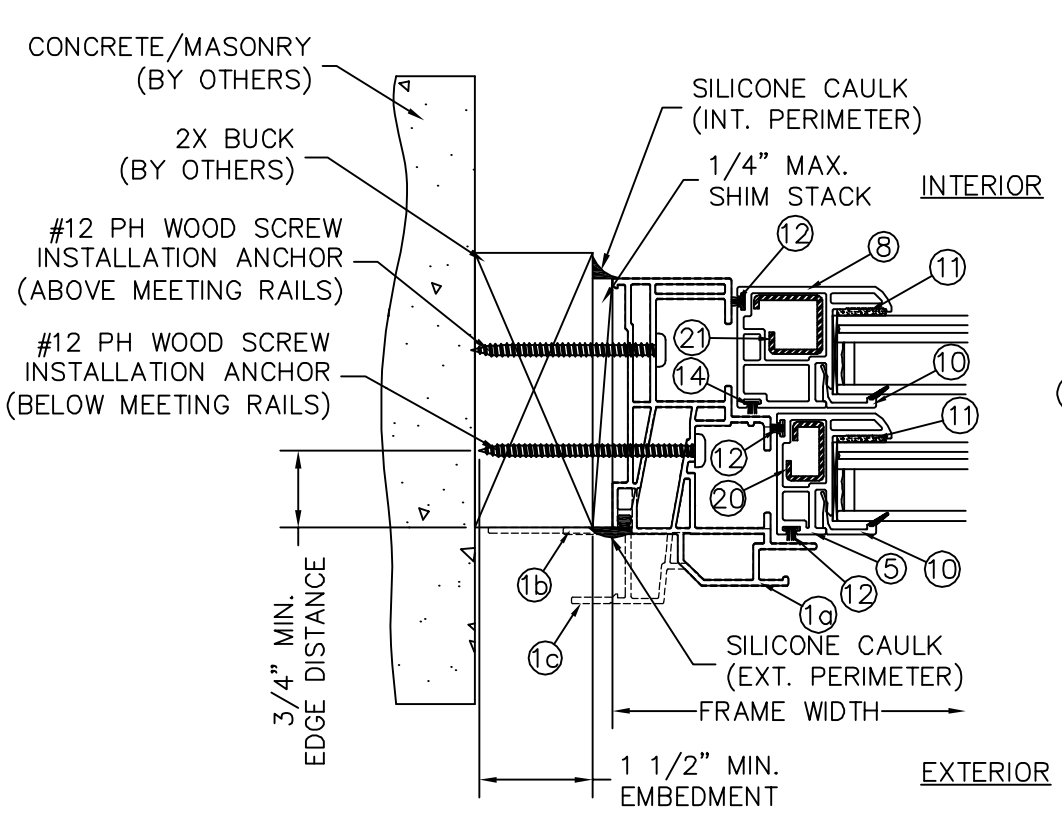


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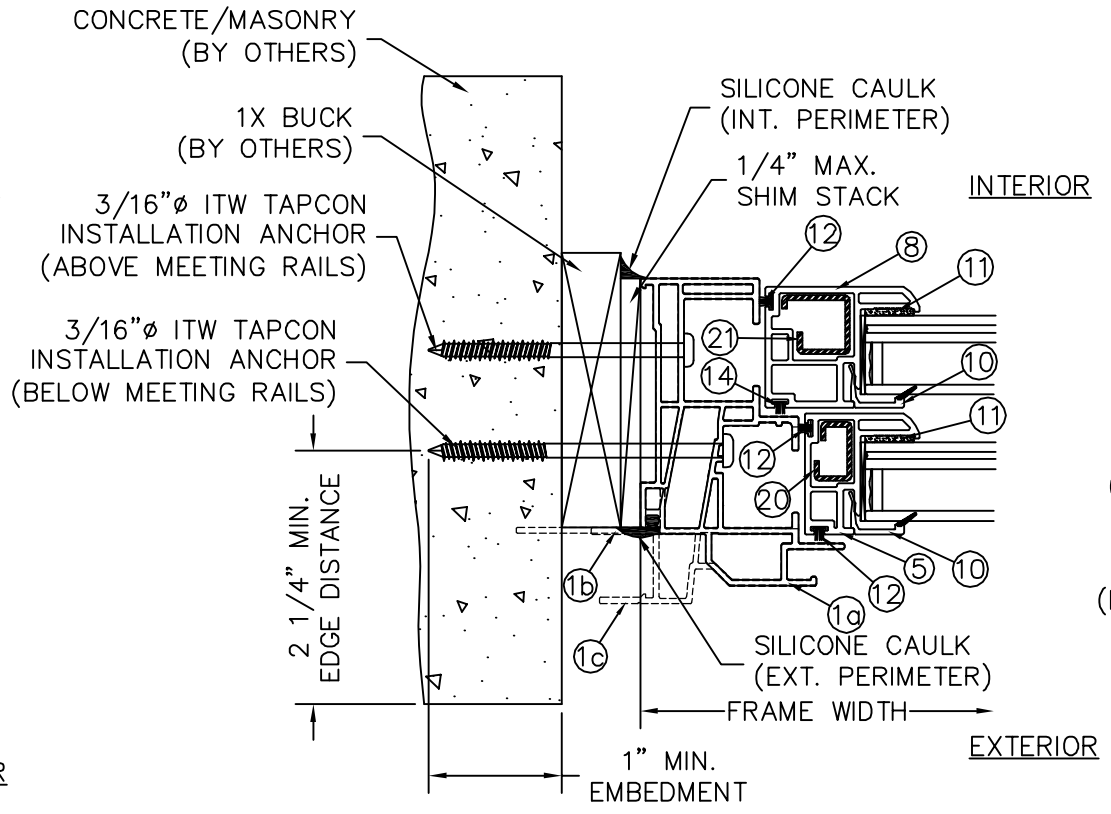
SIMONTON
 WINDOWS
 1 Cochrane Avenue
 Pennsboro, WV 26415

SIZE: B	DRAWING NO.: DA0011	REV.: 2
SCALE: FIT	SHEET: 3 of 7	APPR'VD BY: DATE:
SERIES: STORMBREAKER PLUS 300VL DH (WITH ALT. FRAMES)		
TITLE: VERTICAL CROSS SECTIONS (37" X 76" ALUM. REINF.)		

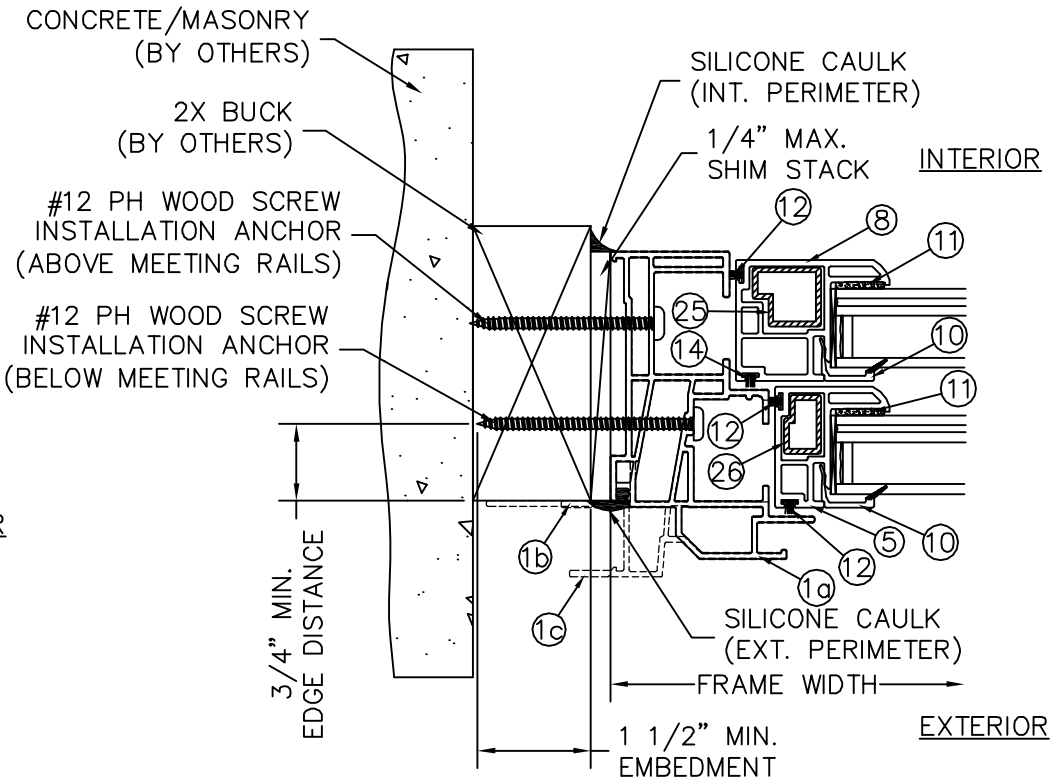
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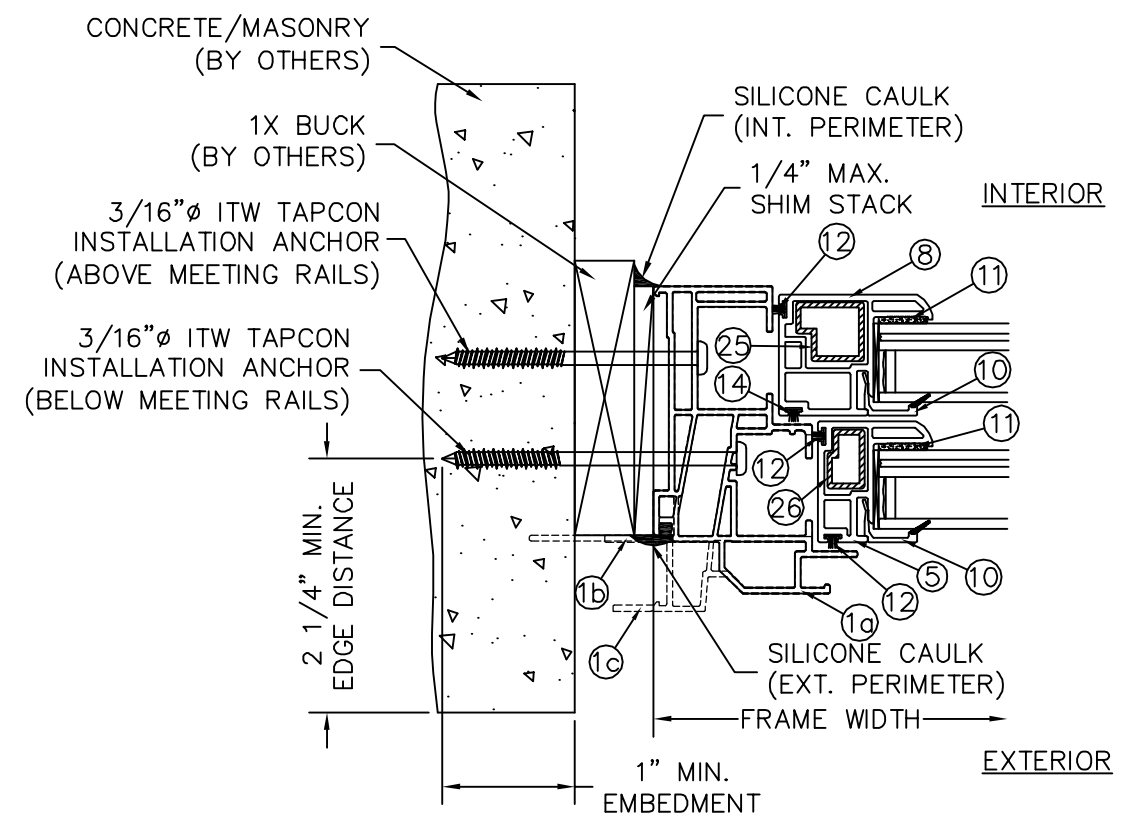
① HORIZONTAL CROSS SECTION
④ 53" X 76" JAMB (2X BUCK)
STEEL REINFORCEMENT



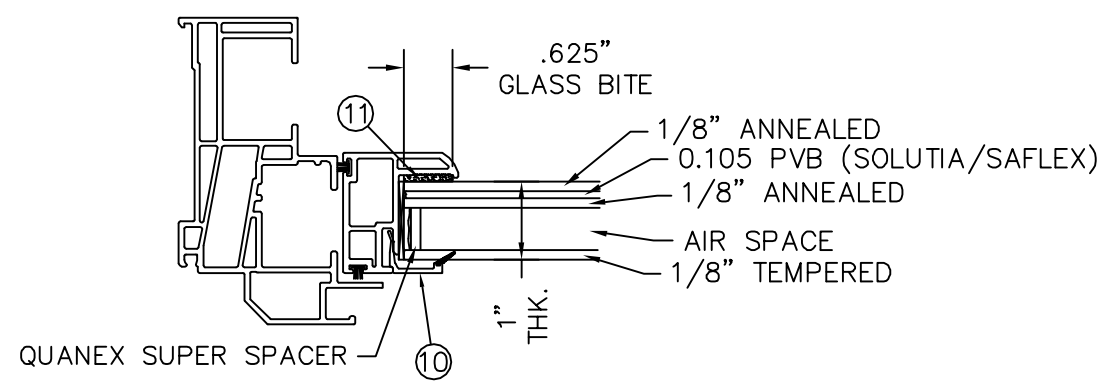
② HORIZONTAL CROSS SECTION
④ 53" X 76" JAMB (1X BUCK)
STEEL REINFORCEMENT



③ HORIZONTAL CROSS SECTION
④ 37" X 76" JAMB (2X BUCK)
ALUMINUM REINFORCEMENT

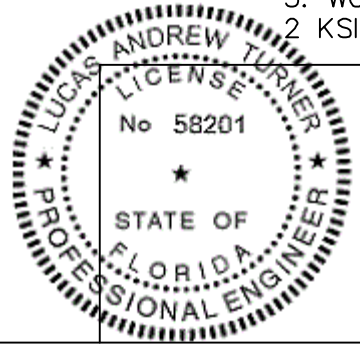


④ HORIZONTAL CROSS SECTION
④ 37" X 76" JAMB (1X BUCK)
ALUMINUM REINFORCEMENT



GLAZING DETAIL
WITH SOLUTIA/SAFLEX LAMINATE

- NOTES:
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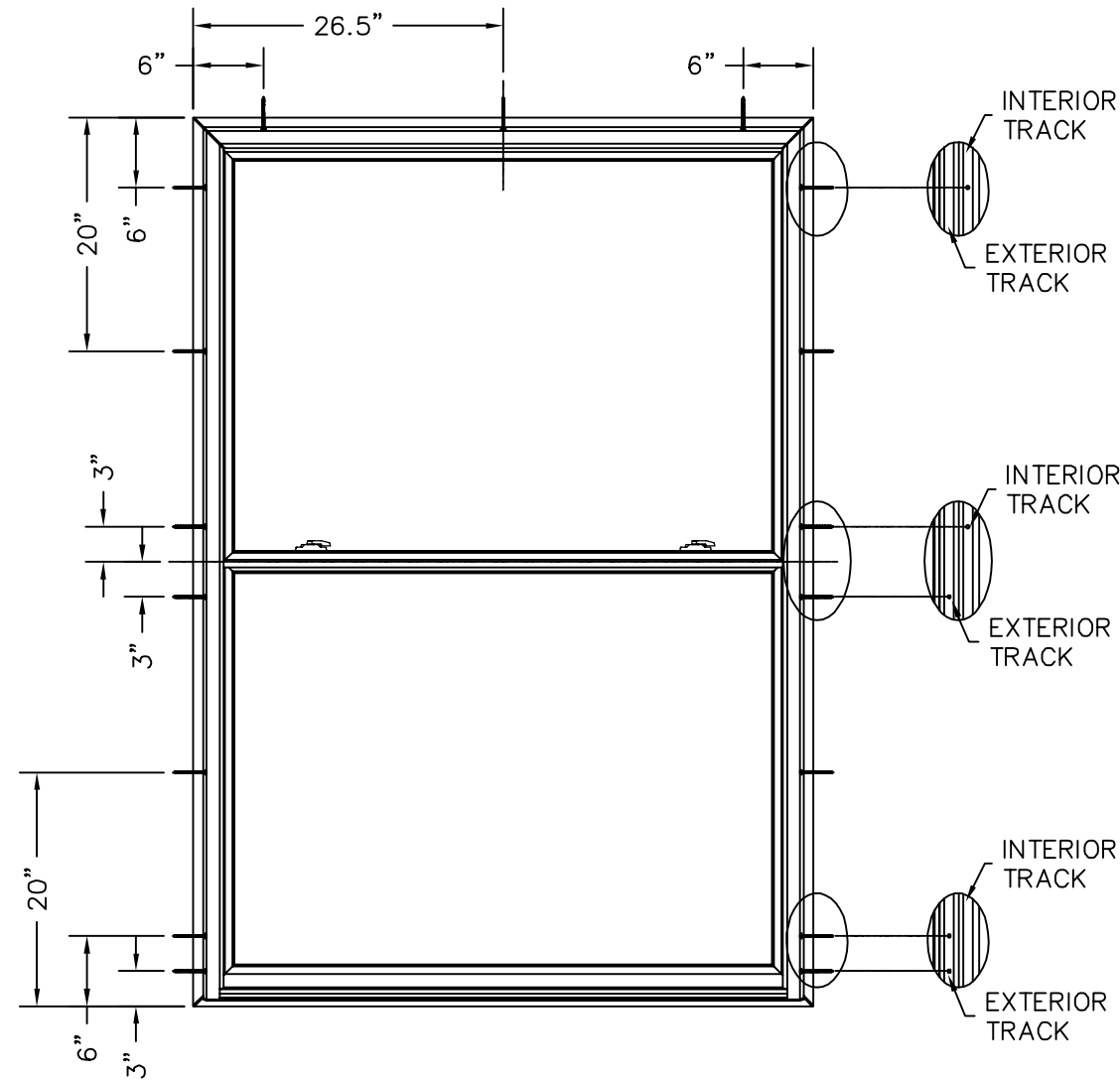


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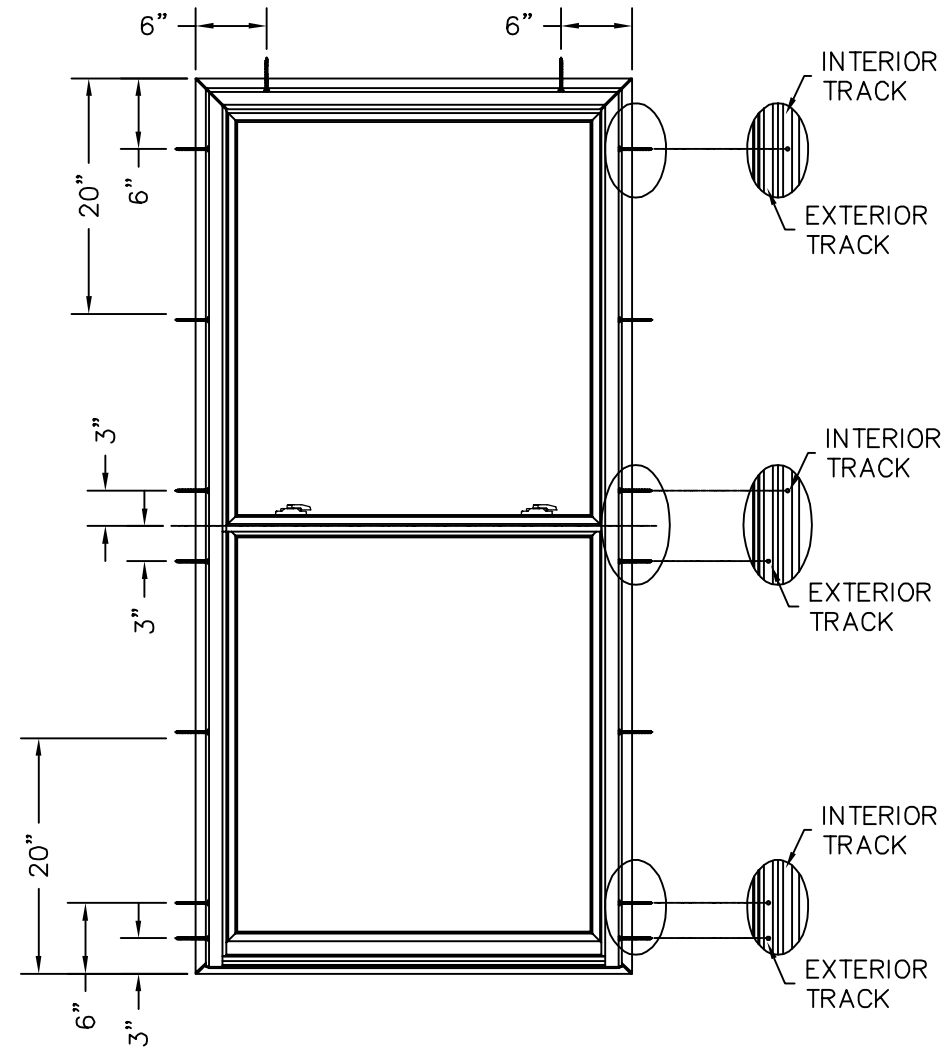
SIMONTON
WINDOWS
1 Cochrane Avenue
Pennsboro, WV 26415

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CHECKED BY:		DATE:			
SCALE:	FIT	SHEET:	4 of 7	APPR'VD BY:	DATE:
SERIES:	STORMBREAKER PLUS 300VL DH (WITH ALT. FRAMES)				
TITLE:	HORIZONTAL CROSS SECTIONS				

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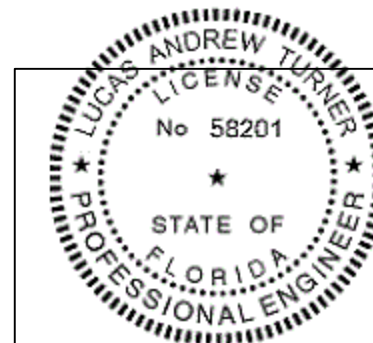
ANCHOR LAYOUT
53" X 76" DOUBLE HUNG



ANCHOR LAYOUT
37" X 76" DOUBLE HUNG

NOTES:

1. WHEN ANCHORING WINDOW INTO A 2X WOOD BUCK SUBSTRATE, USE #12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 1 1/2" EMBEDMENT INTO THE WOOD.
2. WHEN ANCHORING WINDOW INTO A 1X WOOD BUCK AND MASONRY/CONCRETE, USE 3/16"Ø ITW TAPCON ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE A MINIMUM OF 1 1/4" EMBEDMENT INTO THE MASONRY/CONCRETE.
3. SEE SHEETS 2 THROUGH 4 FOR ADDITIONAL ANCHORAGE DETAILS



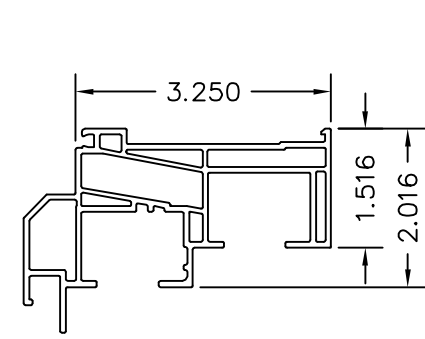
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SIMONTON
WINDOWS
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Pennsboro, WV 26415

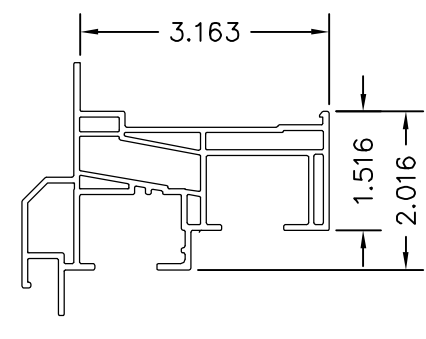
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SCALE: FIT	SHEET: 5 of 7	APPRVD BY: DATE:
SERIES: STORMBREAKER PLUS 300VL DH (WITH ALT. FRAMES)		
TITLE: ANCHORING LOCATIONS		

BILL OF MATERIALS			
ITEM #	DESCRIPTION	MATERIAL	MANUFACTURER
1a	HEAD / JAMB	VINYL	SIMEX, INC.
1b	ALT. HEAD / JAMB WITH FLANGE	VINYL	SIMEX, INC.
1c	ALT. HEAD / JAMB WITH NAILING FIN & J-CHANNEL	VINYL	SIMEX, INC.
2a	SILL	VINYL	SIMEX, INC.
2b	ALT. SILL WITH FLANGE	VINYL	SIMEX, INC.
2c	ALT. SILL WITH NAILING FIN & J-CHANNEL	VINYL	SIMEX, INC.
3	HEAD INSERT	VINYL	
4	LIFT RAIL (TOP SASH)	VINYL	SIMEX, INC.
5	STILE (TOP SASH)	VINYL	SIMEX, INC.
6	KEEPER RAIL (TOP SASH)	VINYL	SIMEX, INC.
7	LOCK RAIL (BOTTOM SASH)	VINYL	SIMEX, INC.
8	STILE (BOTTOM SASH)	VINYL	SIMEX, INC.
9	LIFT RAIL (BOTTOM SASH)	VINYL	SIMEX, INC.
10	1" GLAZING BEAD	VINYL	
11	896-HIS GLAZING COMPOUND	SILICONE	PECORA
12	0.250 FINSEAL WEATHERSTRIPPING	FOAM	
13	0.210 FINSEAL WEATHERSTRIPPING	FOAM	
14	0.340 FINSEAL WEATHERSTRIPPING	FOAM	
15	32001 FOAM BULB	FOAM	
16	32642 FOAM BULB	FOAM	
17	32341 FOAM BULB	FOAM	
18	DH76 REINFORCEMENT	STEEL	
19	ST-439 REINFORCEMENT BAR	STEEL	
20	DH75 REINFORCEMENT	STEEL	
21	DH78/79 REINFORCEMENT	STEEL	
22	16107 REINFORCEMENT	ALUMINUM	
23	RE0044 REINFORCEMENT	ALUMINUM	
24	60911 REINFORCEMENT	ALUMINUM	
25	56109 REINFORCEMENT	ALUMINUM	
26	56111 REINFORCEMENT	ALUMINUM	

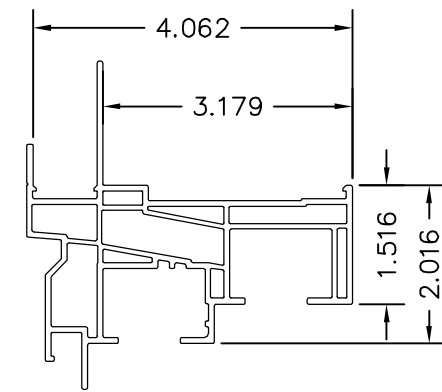
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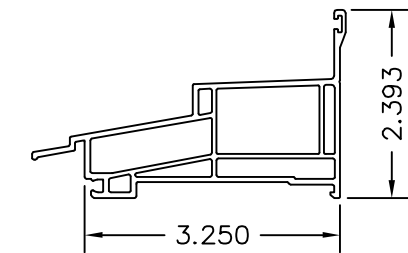
①a HEAD / JAMB
PART #DH0901S
0.071" EXT. WALL THK.
0.059" INT. WALL THK.



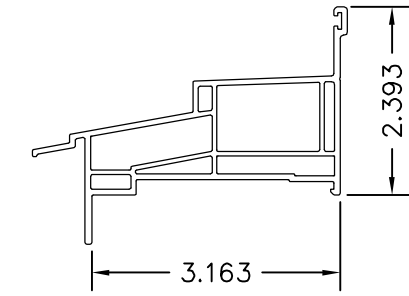
①b HEAD / JAMB WITH FLANGE
PART #DH1101S
0.071" EXT. WALL THK.
0.059" INT. WALL THK.



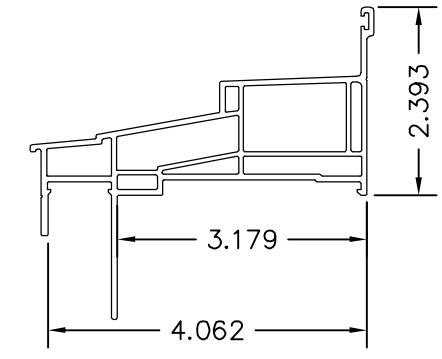
①c HEAD / JAMB WITH NAILING FIN & J-CHANNEL
PART #DH1201S
0.071" EXT. WALL THK.
0.059" INT. WALL THK.



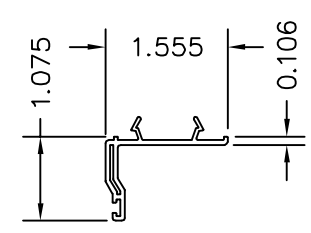
②a SILL
PART #DH0903S
0.071" EXT. WALL THK.
0.059" INT. WALL THK.



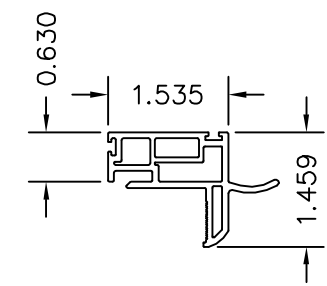
②b SILL WITH FLANGE
PART #DH1103S
0.071" EXT. WALL THK.
0.059" INT. WALL THK.



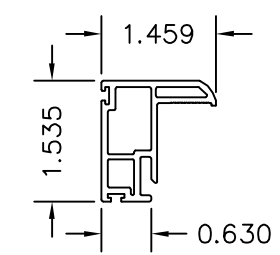
②c SILL WITH NAILING FIN & J-CHANNEL
PART #DH1203S
0.071" EXT. WALL THK.
0.059" INT. WALL THK.



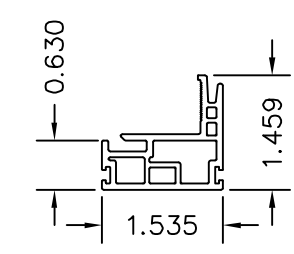
③ HEAD INSERT
PART #VPI-431
0.059" WALL THK.



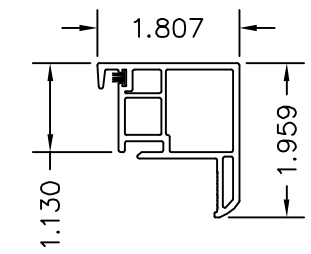
④ LIFT RAIL
PART #DH76S-1
0.079" EXT. WALL THK.
0.059" INT. WALL THK.



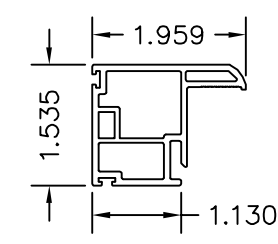
⑤ STILE (TOP)
PART #DH75S
0.079" EXT. WALL THK.
0.059" INT. WALL THK.



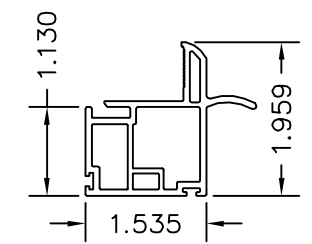
⑥ KEEPER RAIL
PART #DH74S
0.079" EXT. WALL THK.
0.059" INT. WALL THK.



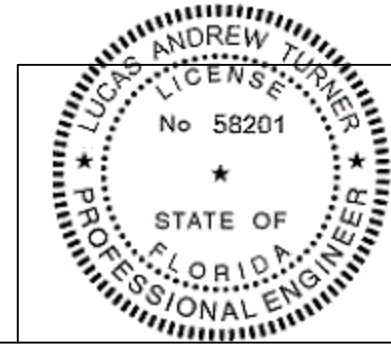
⑦ LOCK RAIL
PART #DH77S
0.079" EXT. WALL THK.
0.059" INT. WALL THK.



⑧ STILE (BOTTOM)
PART #DH78S
0.079" EXT. WALL THK.
0.059" INT. WALL THK.



⑨ LIFT RAIL (BOTTOM)
PART #DH79S
0.079" EXT. WALL THK.
0.059" INT. WALL THK.



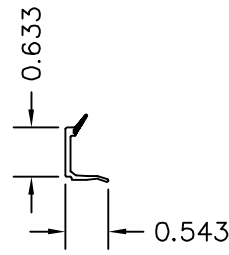
4/28/2017
LUCAS A. TURNER, FL P.E. #58201
TURNER ENGINEERING & CONSULTING, INC., FBPE COA #29779
1239 JABARA AVE., NORTH PORT, FL
PH. 941-380-1574, FAX 941-584-8591

SIMONTON
WINDOWS
1 Cochrane Avenue
Pennsboro, WV 26415

SIZE: B	DRAWING NO.: DA0011	REV.: 2
DRAWN BY: T.D.D.	DATE: 05/10/13	
CHECKED BY:	DATE:	
SCALE: FIT	SHEET: 6 of 7	APPR'VD BY: DATE:

SERIES: STORMBREAKER PLUS 300VL DH (WITH ALT. FRAMES)
TITLE: BILL OF MATERIALS & COMPONENTS

REV. #	REVISIONS:	REVISED BY:	DATE:
1	REVISED ANCHORAGE FOR 5TH ED. 2014 FBC	LAT	4/27/2015
2	UPDATED DP RATING PER NEW TESTING	LMH	4/10/2017
.	.	.	.
.	.	.	.
.	.	.	.



⑩ 1" GLAZING BEAD
PART #BV18
0.059" WALL THK.

⑫ 0.250 FINSEAL WEATHERSTRIPPING

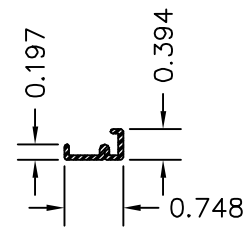
⑬ 0.210 FINSEAL WEATHERSTRIPPING

⑭ 0.340 FINSEAL WEATHERSTRIPPING

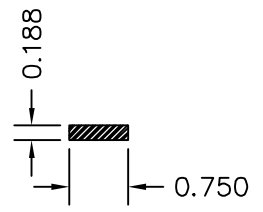
⑮ FOAM BULB (HEAD INSERT)
PART #32001

⑯ FOAM BULB (BOTTOM SASH)
PART #32642

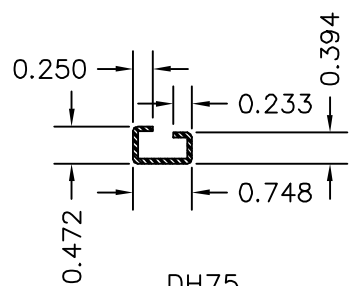
⑰ FOAM BULB (BOTTOM SASH)
PART #32341



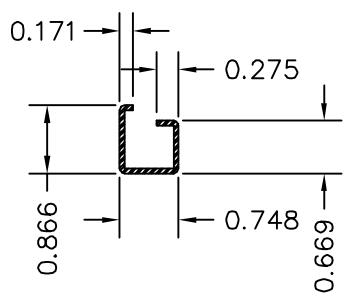
⑱ DH76 REINFORCEMENT
16 GA. H.D. GALV. G-90



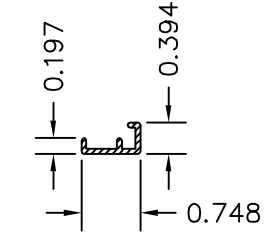
⑲ ST-439 REINFORCEMENT
16 GA. H.D. GALV. G-90



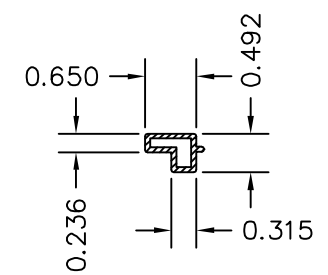
⑳ DH75 REINFORCEMENT
16 GA. H.D. GALV. G-90



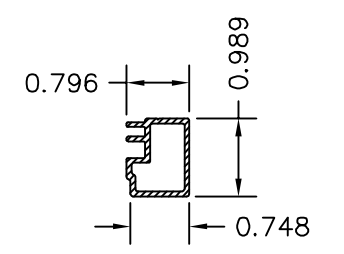
㉑ DH78/79 REINFORCEMENT
16 GA. H.D. GALV. G-90



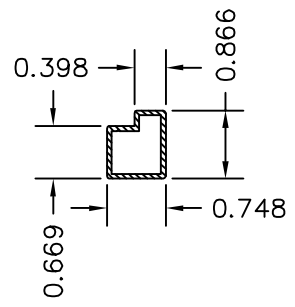
㉒ 16107 REINFORCEMENT
ALUM. 6063-T6
0.062" WALL



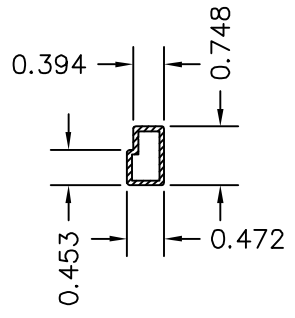
㉓ RE0044 REINFORCEMENT
ALUM. 6063-T6
0.062" WALL



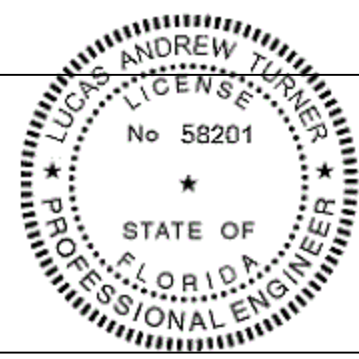
㉔ 60911 REINFORCEMENT
ALUM. 6063-T6
0.062" WALL



㉕ 56109 REINFORCEMENT
ALUM. 6063-T6
0.062" WALL



㉖ 56111 REINFORCEMENT
ALUM. 6063-T6
0.062" WALL



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4/28/2017
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SIZE: B	DRAWING NO.: DA0011	REV.: 2
DRAWN BY: T.D.D.	DATE: 05/10/13	
CHECKED BY:	DATE:	
APPR'VD BY:	DATE:	

SCALE: FIT SHEET: 7 of 7
SERIES: STORMBREAKER PLUS 300VL DH (WITH ALT. FRAMES)
TITLE: COMPONENTS (CONTINUED)