



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

STORMBREAKER PLUS 300VL
IMPACT RESISTANT VINYL
DOUBLE HUNG WINDOW

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE 8TH EDITION (2023) 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.

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.

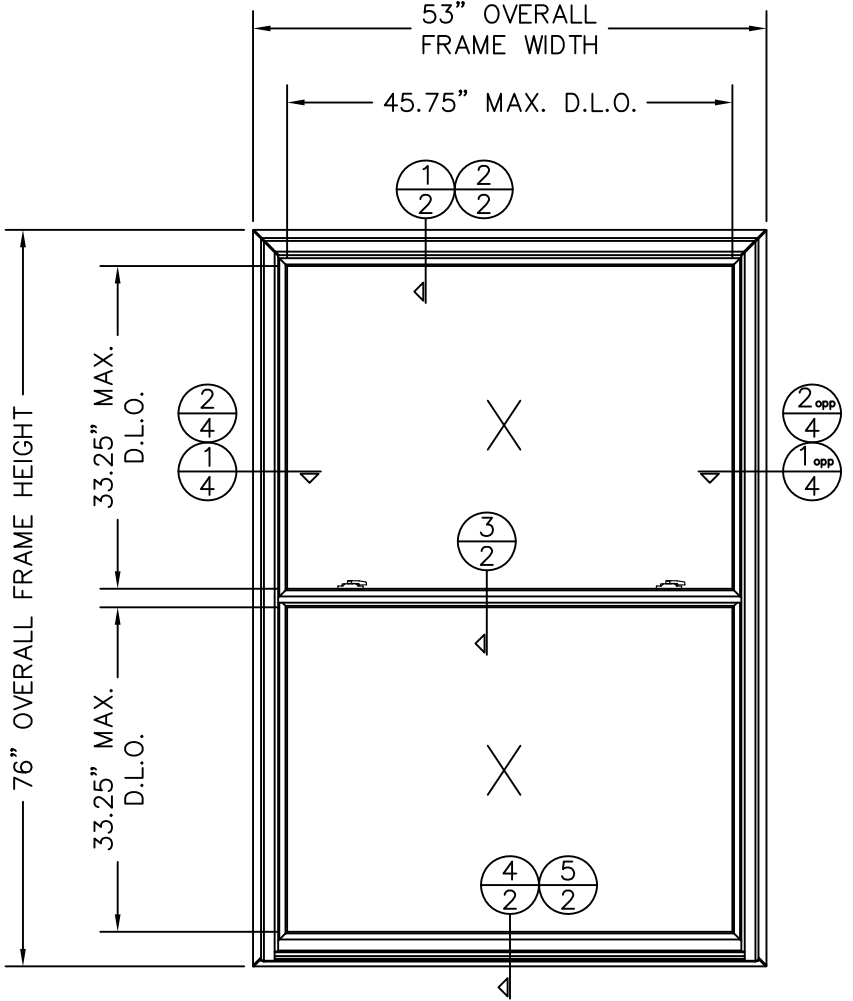
6. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF INSTALLED PRODUCT ARE THE RESPONSIBILITY OF OTHERS.

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.

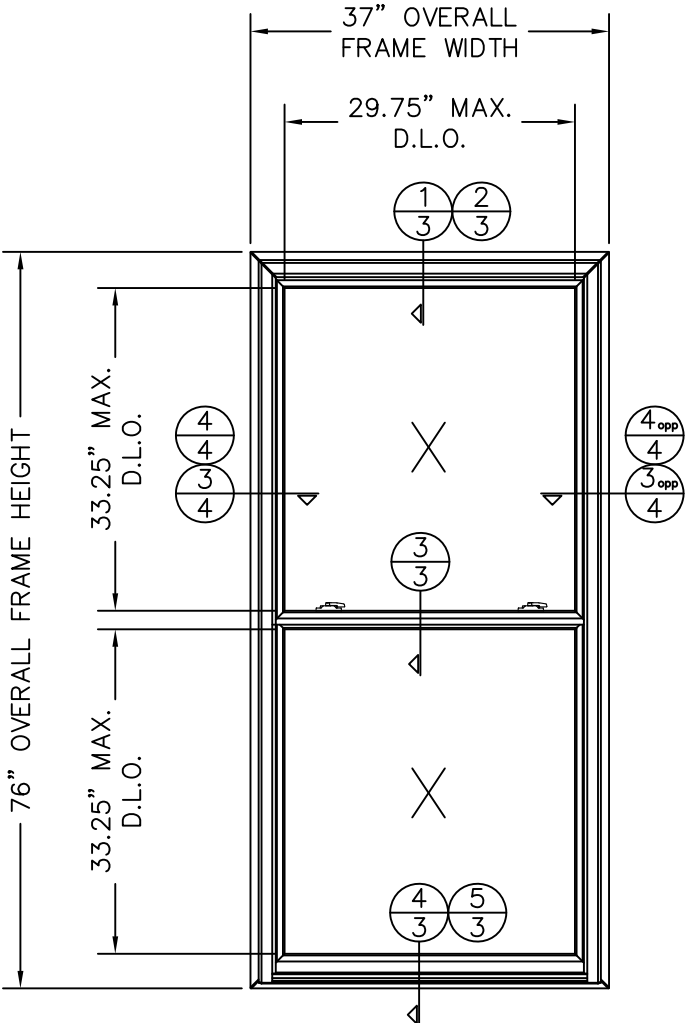
8. A WINDLOAD DURATION FACTOR Cd = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.

ALL MODELS ARE VIEWED FROM THE EXTERIOR

REV. #:	REVISIONS:	REVISED BY:	DATE:
2	UPDATED DP RATING PER NEW TESTING	LMH	4/10/2017
3	UPDATED NOTE 1.	LMH	9/11/2017
4	ADDED SETTING BLOCK REFERENCE TO GLAZING DETAIL, SHEET 2.	LMH	12/12/17
5	UPDATED FOR 7TH ED. (2020) FBC	LMH	11/09/20
6	UPDATED FOR 8TH ED. (2023) FBC	LMH	12/03/23

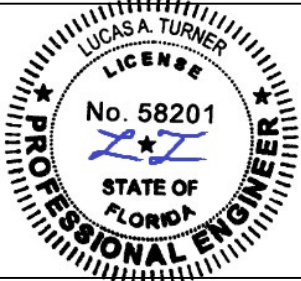


DESIGN PRESSURE RATING	IMPACT RATING
+55 PSF/-60 PSF	LARGE & SMALL MISSILE IMPACT



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)



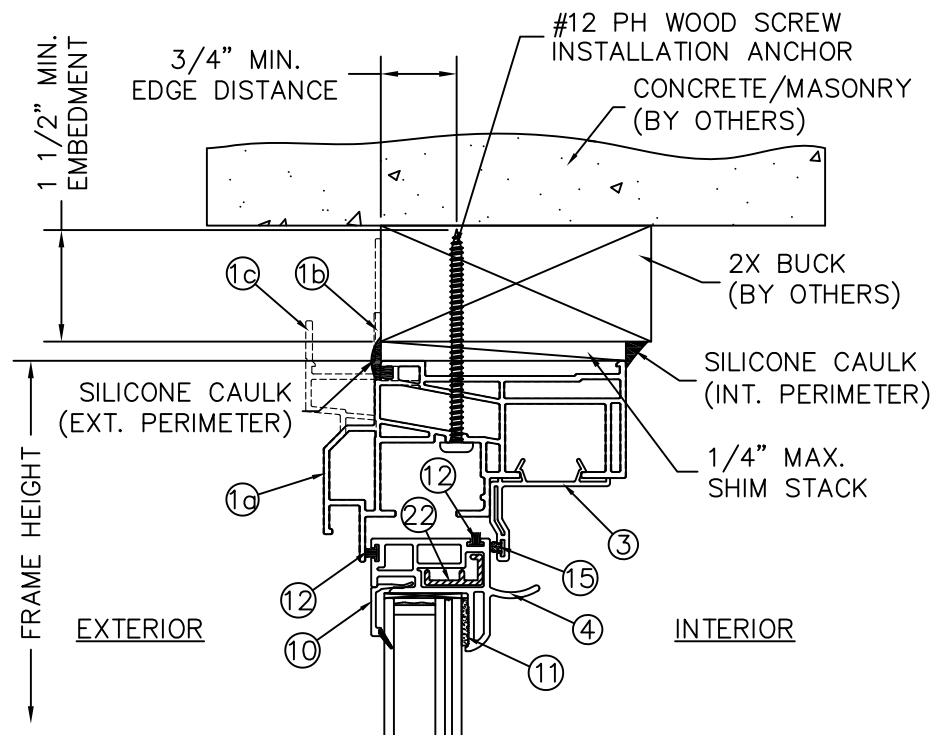
12/03/2023
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574



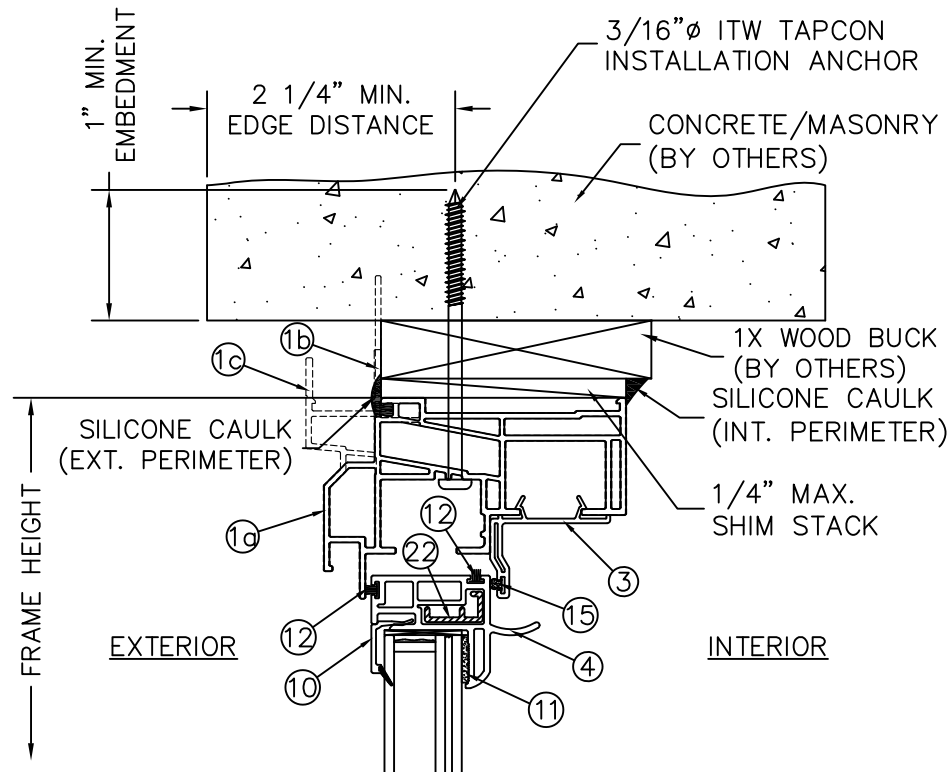
SIMONTON
WINDOWS
1 COCHRANE AVENUE
PENNSBORO, WV 26415

SIZE: B	DRAWING NO.: DA0011	REV.: 6
DRAWN BY: T.D.D.	DATE: 05/10/13	CHECKED BY: DATE:
SCALE: FIT	SHEET: 1 of 7	APPRV'D BY: DATE:
SERIES: STORMBREAKER PLUS 300VL DH (WITH ALT. FRAMES)		
TITLE: GENERAL NOTES & TYPICAL ELEVATIONS		

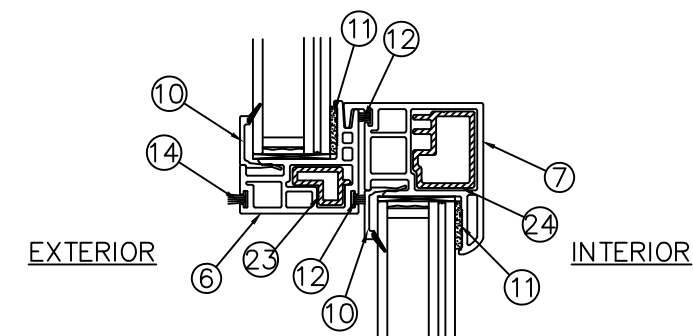
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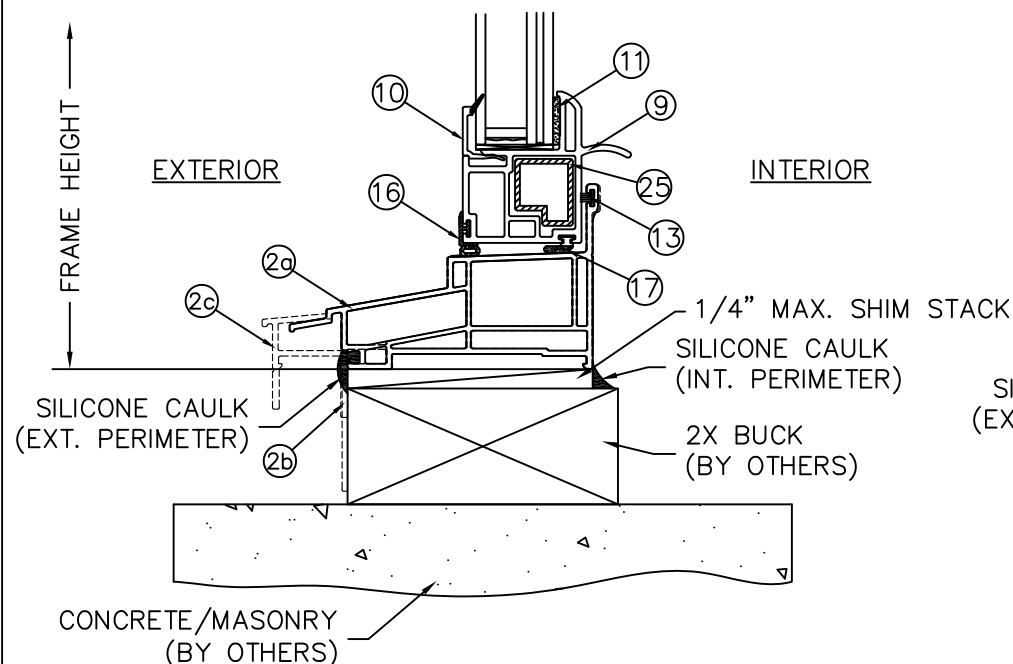
① VERTICAL CROSS SECTION
③ 37" X 76" HEAD (2X BUCK)
ALUMINUM REINFORCEMENT



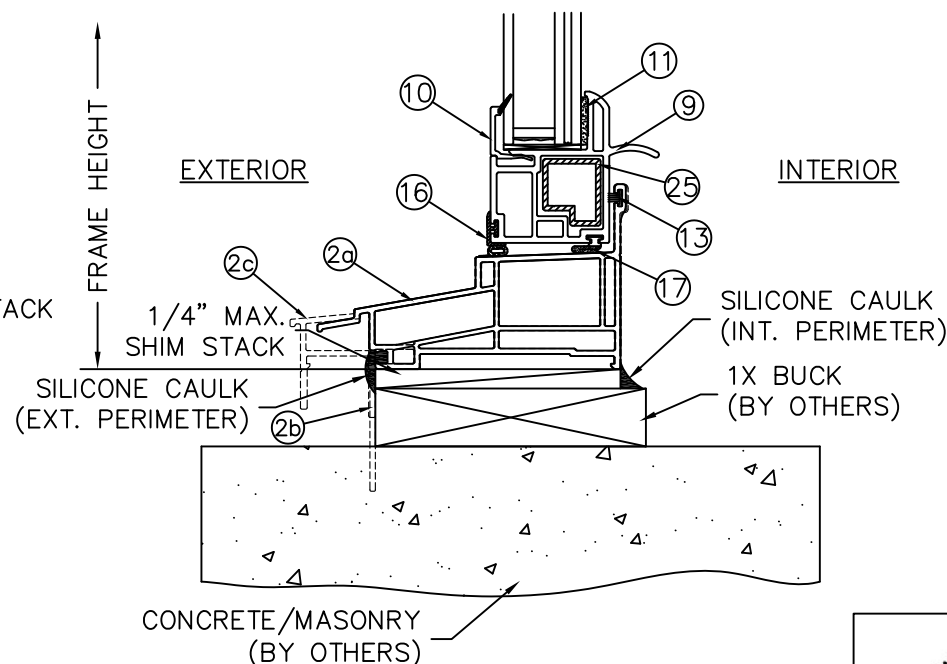
② VERTICAL CROSS SECTION
③ 37" X 76" HEAD (1X BUCK)
ALUMINUM REINFORCEMENT



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



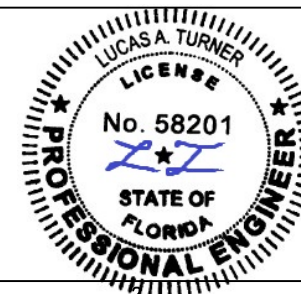
④ VERTICAL CROSS SECTION
③ 37" X 76" SILL (2X BUCK)
ALUMINUM REINFORCEMENT



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

NOTES:

- 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".
- ONLY MIAMI-DADE COUNTY APPROVED CORROSION RESISTANT FASTENERS AND DEWALT ULTACON+ FASTENERS SHALL BE USED. WINDOW INSTALLERS SHALL FOLLOW ALL MANUFACTURER'S INSTRUCTIONS.
- 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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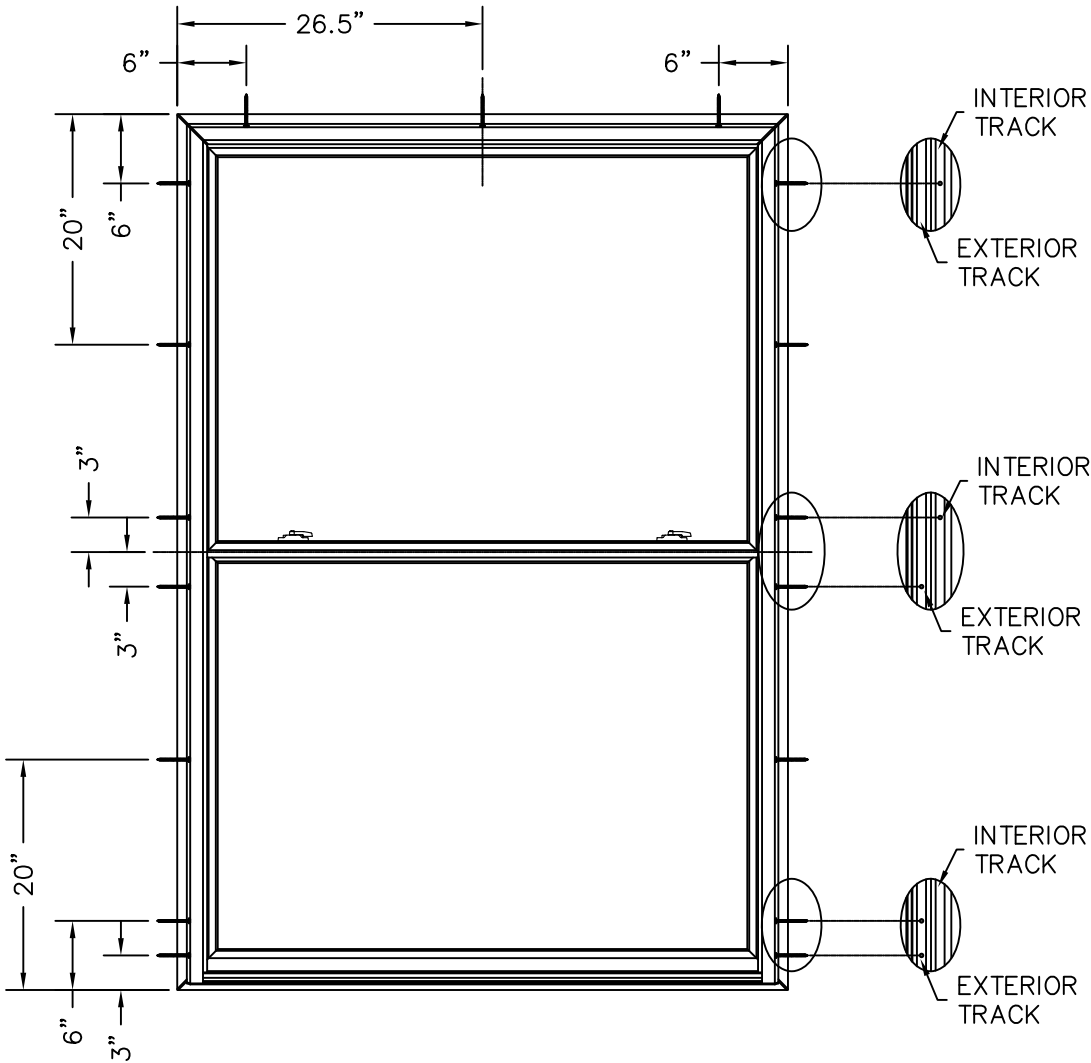
SIMONTON®
WINDOWS
1 Cochrane Avenue
Pennsboro, WV 26415

SCALE: FIT SHEET: 3 of 7
SERIES: STORMBREAKER PLUS 300VL DH (WITH ALT. FRAMES)
TITLE: VERTICAL CROSS SECTIONS (37" X 76" ALUM. REINF.)

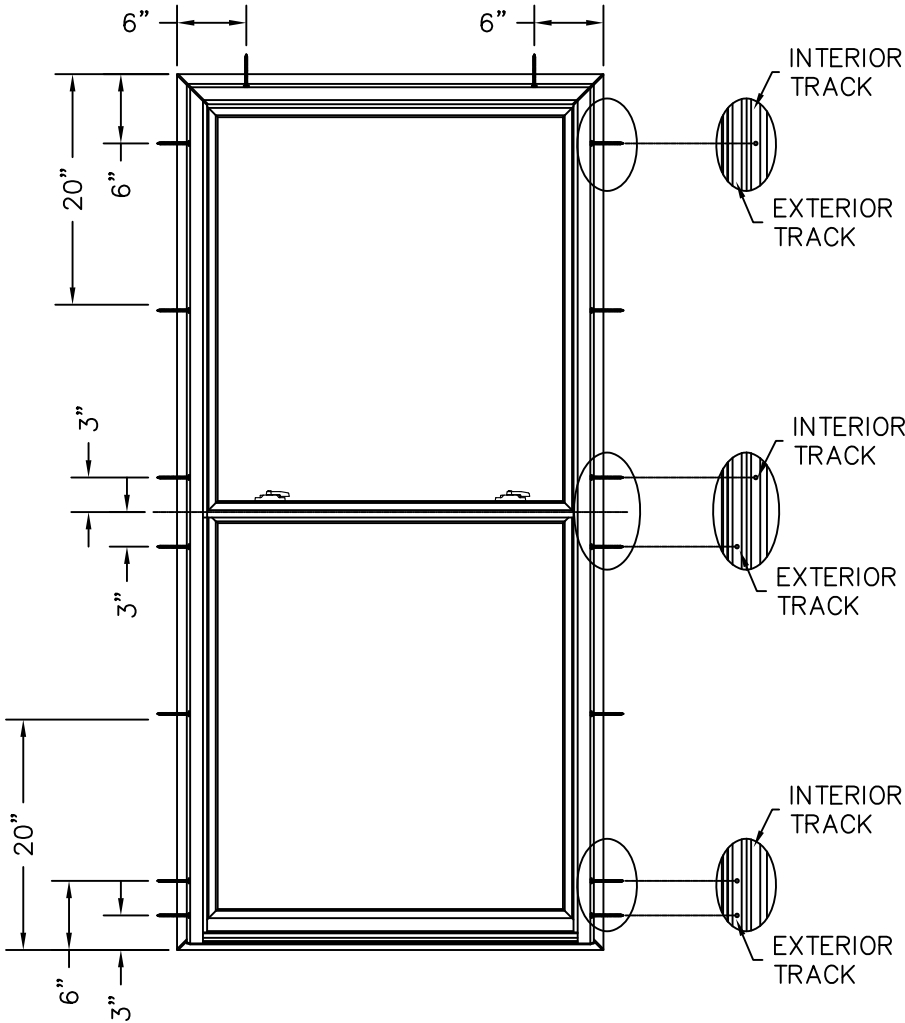
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CHECKED BY: DATE:
APPR'D BY: DATE:

REV.: 6

REV. #	REVISIONS:	REVISED BY:	DATE:
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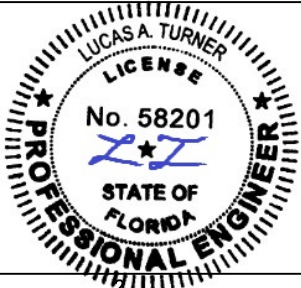


ANCHOR LAYOUT
53" X 76" DOUBLE HUNG



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



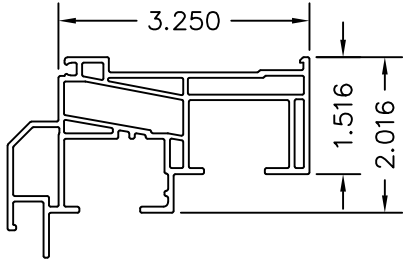
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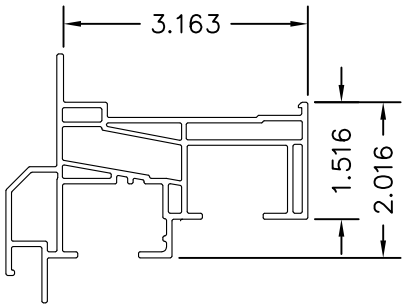
SCALE: FIT SHEET: 5 of 7
SERIES: STORMBREAKER PLUS 300VL DH (WITH ALT. FRAMES)
TITLE: ANCHORING LOCATIONS

SIZE: B	DRAWING NO.: DA0011	REV.: 6
DRAWN BY: T.D.D.	DATE: 06/10/09	CHECKED BY: DATE:
APPR'V'D BY:	DATE:	

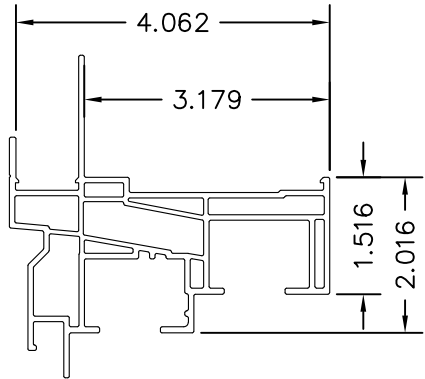
BILL OF MATERIALS			
ITEM #	DESCRIPTION	MATERIAL	MANUFACTURER
1a	HEAD / JAMB	VINYL	SIMEX, INC.
1b	ALT. HEAD / JAMB WITH FLANGE	VINYL	SIMEX, INC.
1c	ALT. HEAD / JAMB WITH NAILING FIN & J-CHANNEL	VINYL	SIMEX, INC.
2a	SILL	VINYL	SIMEX, INC.
2b	ALT. SILL WITH FLANGE	VINYL	SIMEX, INC.
2c	ALT. SILL WITH NAILING 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	



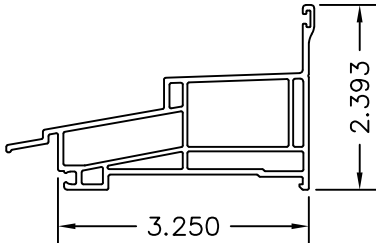
1a HEAD / JAMB
PART #DH0901S
0.071" EXT. WALL THK.
0.059" INT. WALL THK.



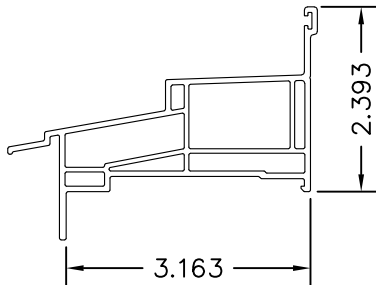
1b HEAD / JAMB WITH
FLANGE
PART #DH1101S
0.071" EXT. WALL THK.
0.059" INT. WALL THK.



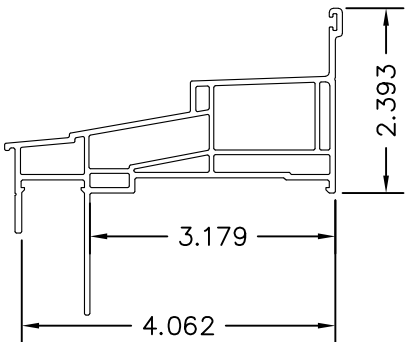
1c HEAD / JAMB WITH
NAILING FIN &
J-CHANNEL
PART #DH1201S
0.071" EXT. WALL THK.
0.059" INT. WALL THK.



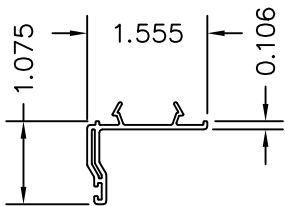
2a SILL
PART #DH0903S
0.071" EXT. WALL THK.
0.059" INT. WALL THK.



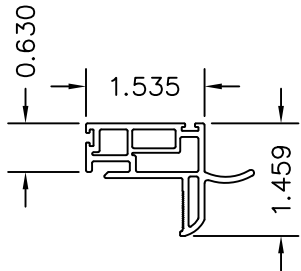
2b SILL WITH FLANGE
PART #DH1103S
0.071" EXT. WALL THK.
0.059" INT. WALL THK.



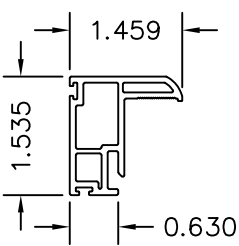
2c SILL WITH NAILING FIN
& J-CHANNEL
PART #DH1203S
0.071" EXT. WALL THK.
0.059" INT. WALL THK.



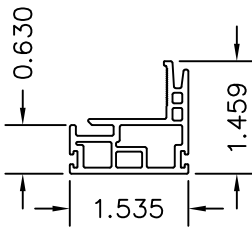
3 HEAD INSERT
PART #VPI-431
0.059" WALL THK.



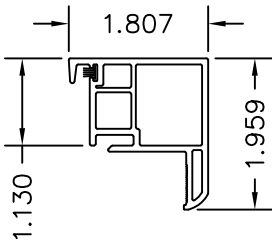
4 LIFT RAIL
PART #DH76S-1
0.079" EXT. WALL THK.
0.059" INT. WALL THK.



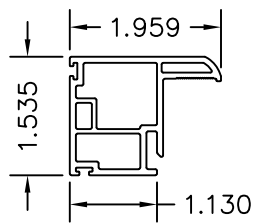
5 STILE (TOP)
PART #DH75S
0.079" EXT. WALL THK.
0.059" INT. WALL THK.



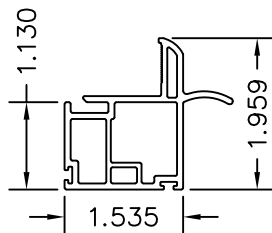
6 KEEPER RAIL
PART #DH74S
0.079" EXT. WALL THK.
0.059" INT. WALL THK.



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

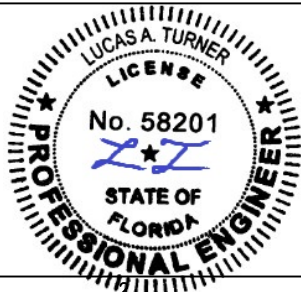


8 STILE (BOTTOM)
PART #DH78S
0.079" EXT. WALL THK.
0.059" INT. WALL THK.



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

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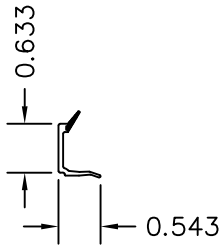


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SCALE: FIT	SHEET: 6 of 7	APPR'VD BY: DATE:
SERIES: STORMBREAKER PLUS 300VL DH (WITH ALT. FRAMES)		
TITLE: BILL OF MATERIALS & COMPONENTS		

1			
REV. #	REVISIONS:	REVISED BY:	DATE:
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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



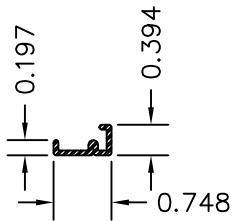
⑮ FOAM BULB
(HEAD INSERT)
PART #32001



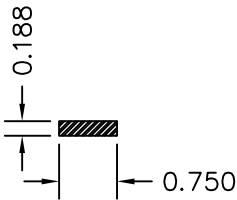
⑯ FOAM BULB
(BOTTOM SASH)
PART #32642



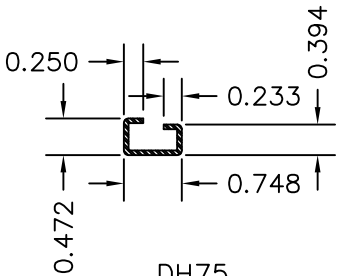
⑰ FOAM BULB
(BOTTOM SASH)
PART #32341



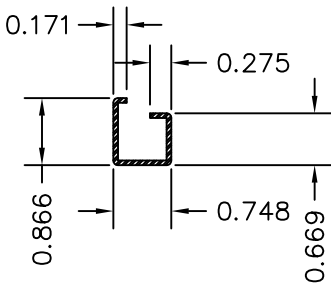
⑱ DH76
REINFORCEMENT
16 GA. H.D.
GALV. G-90



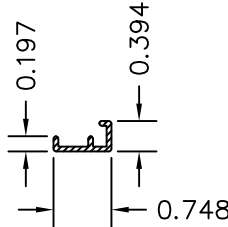
⑲ ST-439
REINFORCEMENT
16 GA. H.D.
GALV. G-90



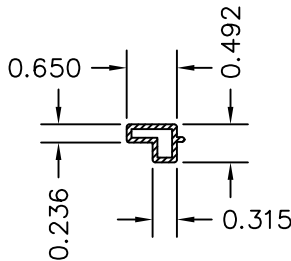
⑳ DH75
REINFORCEMENT
16 GA. H.D.
GALV. G-90



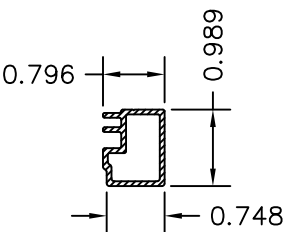
㉑ DH78/79
REINFORCEMENT
16 GA. H.D.
GALV. G-90



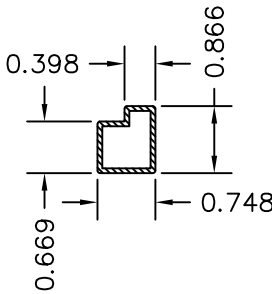
㉒ 16107
REINFORCEMENT
ALUM. 6063-T6
0.062" WALL



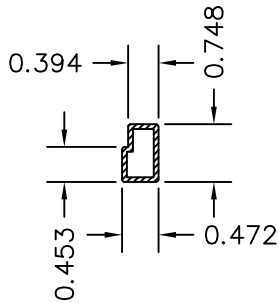
㉓ RE0044
REINFORCEMENT
ALUM. 6063-T6
0.062" WALL



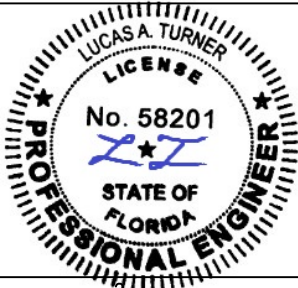
㉔ 60911
REINFORCEMENT
ALUM. 6063-T6
0.062" WALL



㉕ 56109
REINFORCEMENT
ALUM. 6063-T6
0.062" WALL



㉖ 56111
REINFORCEMENT
ALUM. 6063-T6
0.062" WALL



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SCALE: FIT	SHEET: 7 of 7	APPR'VD BY: DATE:
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TITLE: COMPONENTS (CONTINUED)		