

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

STORMBREAKER PLUS 300VL IMPACT RESISTANT VINYL DOUBLE HUNG WINDOW

GENERAL NOTES:

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE 6TH ED. (2017) 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 1300-04e01/09. 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. 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.

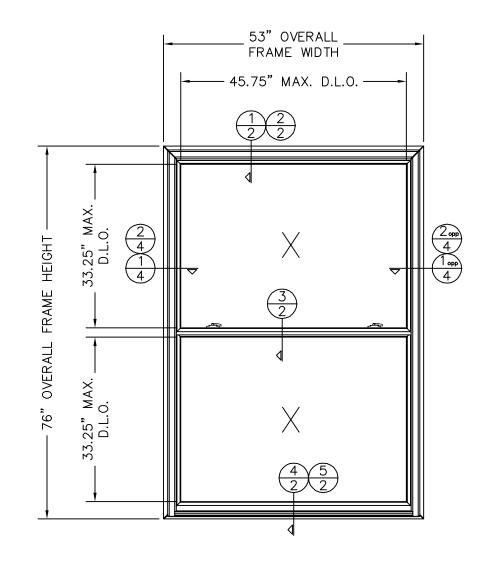
6. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER PENETRATION RESISTANCE OF THE INSTALLED PRODUCT ARE THE RESPONSIBILITY OF OTHERS.

7. A WIND LOAD DURATION FACTOR CD = 1.6 WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.

8. A MINIMUM CENTER-TO-CENTER SPACING OF 3" SHALL BE MAINTAINED BETWEEN ALL ITW TAPCONS IN ANY DIRECTION.

ALL MODELS ARE VIEWED FROM THE EXTERIOR

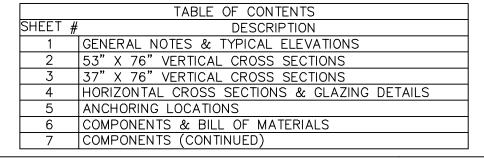
REV. #:	REVISIONS:	REVISED BY:	DATE:
1	REVISED ANCHORAGE FOR 5TH ED. 2014 FBC	LAT	4/27/2015
2	UPDATED DP RATING PER NEW TESTING	LMH	4/10/2017
3	UPDATED NOTES, SHEET 1	LMH	9/11/2017
4	ADDED SETTING BLOCK REF. SHEET 4	LMH	12/12/2017
		•	



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

	37" OVERALL FRAME WIDTH 29.75" MAX. D.L.O.	-
76" OVERALL FRAME HEIGHT ————————————————————————————————————	3 3 3 3 4 5 3 3 3 3	4 opp 4 3 opp 4

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





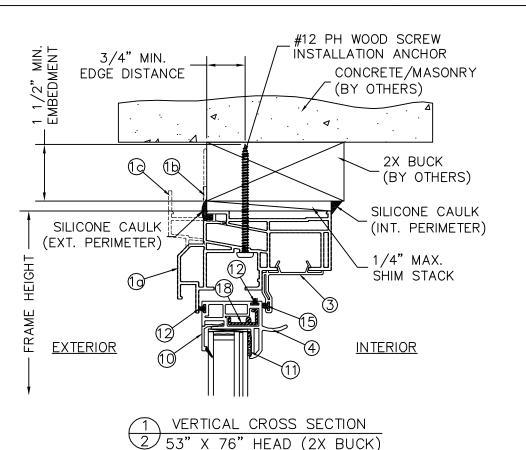
17 12/13/2017 LUCAS Á. TÚRNER, P.E. FL PE # 58201 TURNER ENGINEERING & CONSULTING, INC. (COA # 29779) 1239 JABARA AVE. NORTH PORT, FL 34288

PH. 941-380-1574

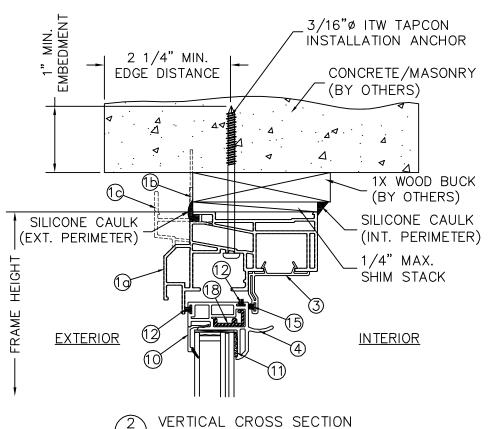
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STORMBREAKER PLUS 300VL DH (WITH ALT. FRAMES) TITLE: GENERAL NOTES & TYPICAL ELEVATIONS

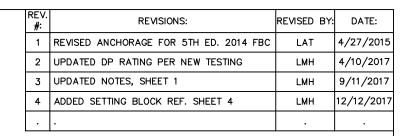


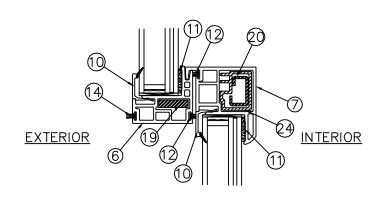
STEEL REINFORCEMENT



53" X 76" HEAD (1X BUCK)

STEEL REINFORCEMENT

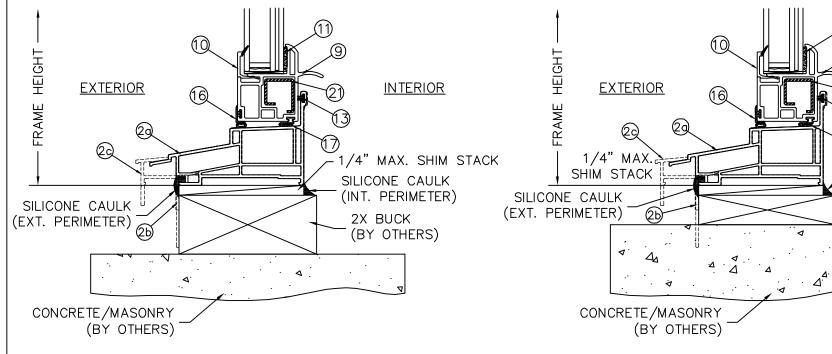




VERTICAL CROSS SECTION

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:

INTERIOR

SILICONE CAULK

(BY OTHERS)

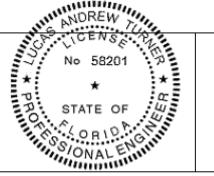
1X BUCK

(INT. PERIMETER)

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 ITW TAPCON FASTENERS SHALL BE USED. WINDOW INSTALLERS SHALL FOLLOW ALL MANUFACTURER'S INSTRUCTIONS.

3. WOOD SHALL BE SOUTHERN PINE MIN. WITH G=0.55 MIN. MASONRY SHALL BE 2 KSI MIN. CONCRETE OR ASTM C90 CMU WITH 117 PCF MIN.

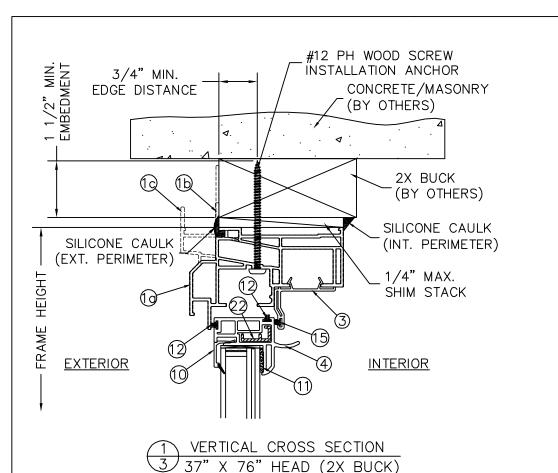


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FL PE # 58201
TURNER ENGINEERING &
CONSULTING, INC.
(COA # 29779)
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NORTH PORT, FL 34288

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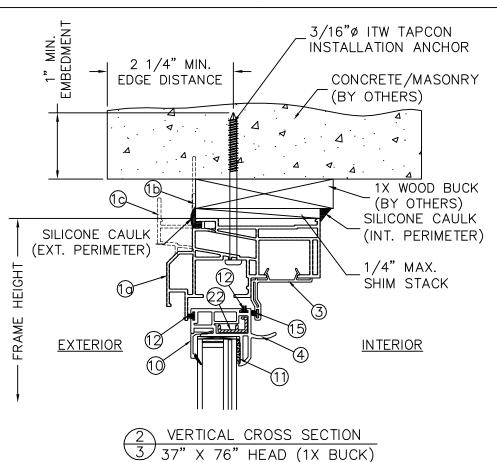
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STORMBREAKER	PLUS 300VL [OH (V	WITH ALT.	FRAMES	;)

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



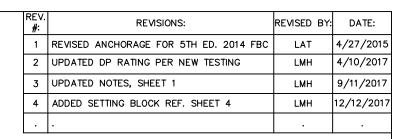
ALUMINUM REINFORCEMENT

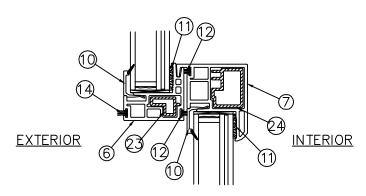
ALUMINUM REINFORCEMENT



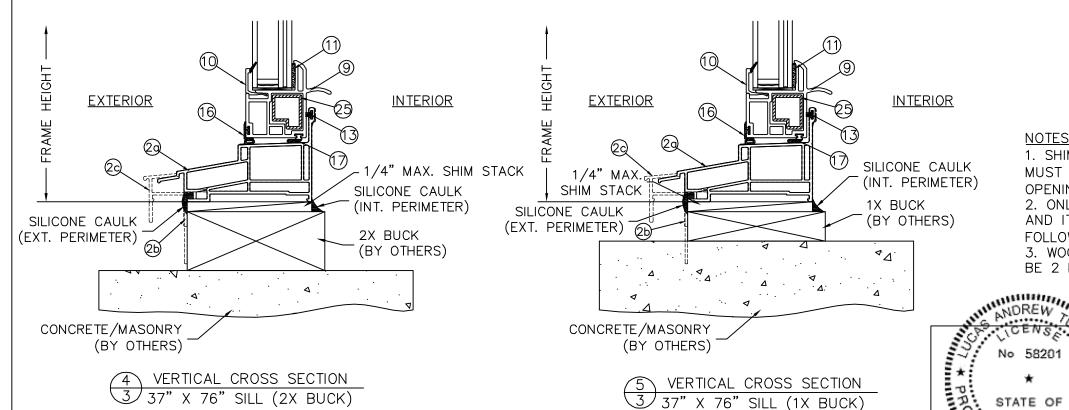
ALUMINUM REINFORCEMENT

ALUMINUM REINFORCEMENT





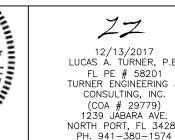
VERTICAL CROSS SECTION 37" X 76" MEETING RAIL ALUMINUM REINFORCEMENT



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 ITW TAPCON FASTENERS SHALL BE USED. WINDOW INSTALLERS SHALL FOLLOW ALL MANUFACTURER'S INSTRUCTIONS.

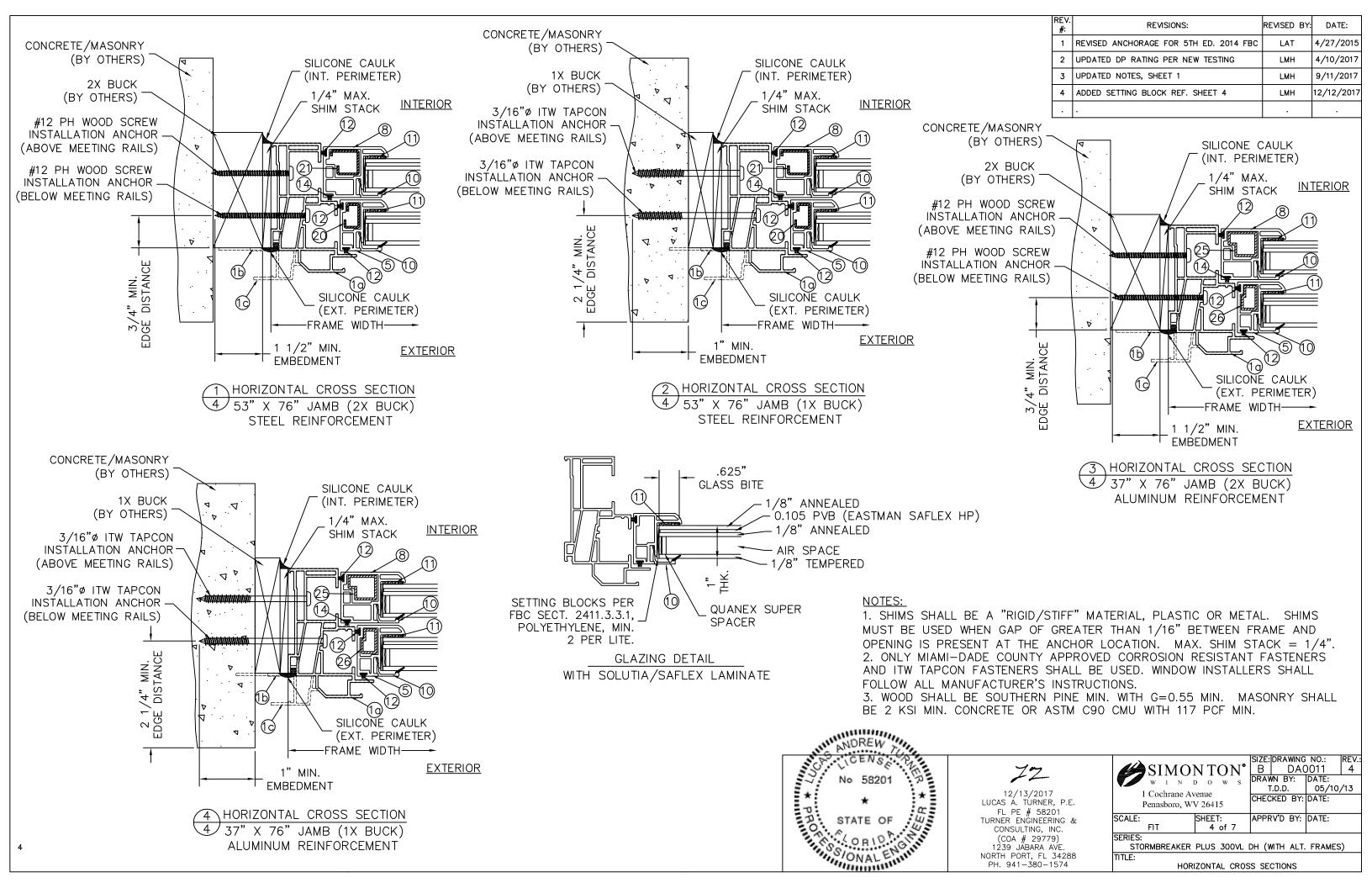
3. WOOD SHALL BE SOUTHERN PINE MIN. WITH G=0.55 MIN. MASONRY SHALL BE 2 KSI MIN. CONCRETE OR ASTM C90 CMU WITH 117 PCF MIN.



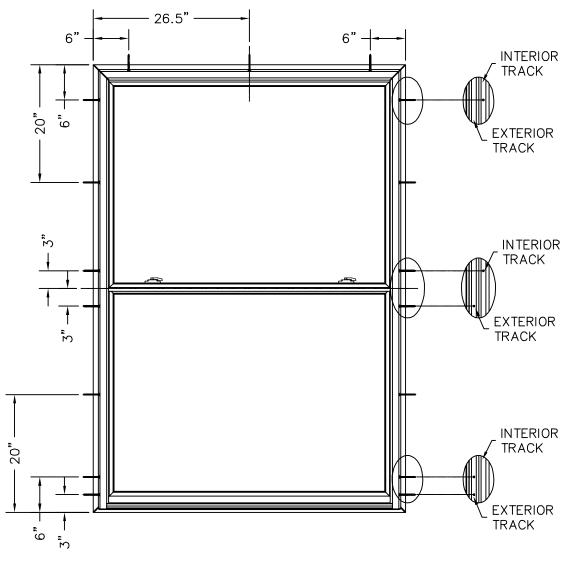
12/13/2017 LUCAS A. TURNER, P.E. FL PE # 58201 TURNER ENGINEERING & CONSULTING, INC. (COA # 29779) 1239 JABARA AVE. NORTH PORT, FL 34288

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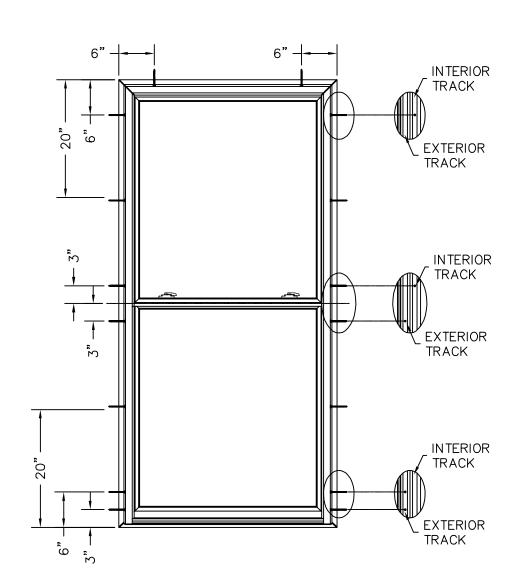
VERTICAL CROSS SECTIONS (37" X 76" ALUM. REINF.)



REV. #:	REVISIONS:	REVISED BY:	DATE:
1	REVISED ANCHORAGE FOR 5TH ED. 2014 FBC	LAT	4/27/2015
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3	UPDATED NOTES, SHEET 1	LMH	9/11/2017
4	ADDED SETTING BLOCK REF. SHEET 4	LMH	12/12/2017
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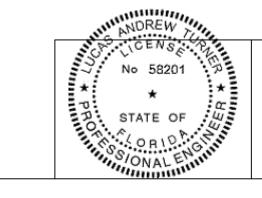
ANCHOR LAYOUT
53" X 76" DOUBLE HUNG



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" EMBEDMENT INTO THE MASONRY/CONCRETE.
- 3. SEE SHEETS 2 THROUGH 4 FOR ADDITIONAL ANCHORAGE DETAILS

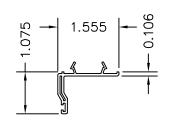


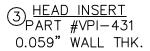
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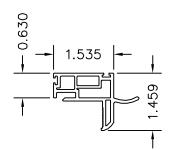
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	STORMBREAKER	PLUS 300VL [DH (V	WTH ALT.	FRAMES	;)
	TITLE:					

ANCHORING LOCATIONS

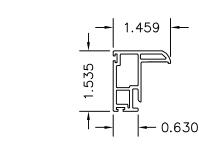
	BILL OF MATERIALS					
ITEM #	DESCRIPTION	MATERIAL	MANUFACTURER			
1a	HEAD / JAMB	VINYL	SIMEX, INC.			
1b	ALT. HEAD / JAMB WITH FLANGE	VINYL	SIMEX, INC.			
1c	ALT. HEAD / JAMB WITH NAILING FIN & J-CHANNEL	VINYL	SIMEX, INC.			
2a	SILL	VINYL	SIMEX, INC.			
2b	ALT. SILL WITH FLANGE	VINYL	SIMEX, INC.			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



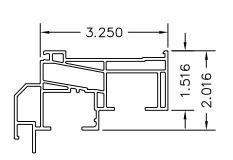




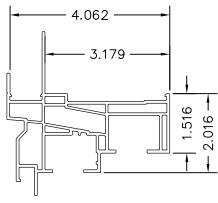
(4) <u>LIFT RAIL</u>
PART #DH76S-1
0.079" EXT. WALL THK.
0.059" INT. WALL THK.



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



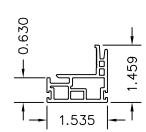
HEAD / JAMB PART #DH0901S 0.071" EXT. WALL THK. 0.059" INT. WALL THK.



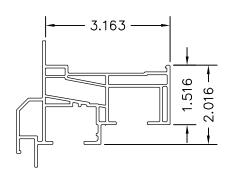
HEAD / JAMB WITH

NAILING FIN &
J-CHANNEL
PART #DH1201S

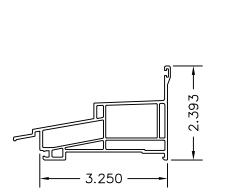
0.071" EXT. WALL THK.
0.059" INT. WALL THK.



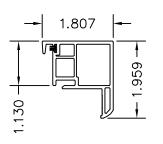
6 KEEPER RAIL PART #DH74S
0.079" EXT. WALL THK.
0.059" INT. WALL THK.

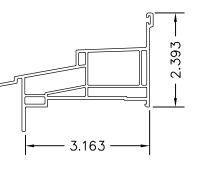


(b) HEAD / JAMB WITH
FLANGE
PART #DH1101S
0.071" EXT. WALL THK.
0.059" INT. WALL THK.

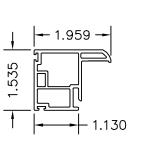


SILL PART #DH0903S 0.071" EXT. WALL THK. 0.059" INT. WALL THK.

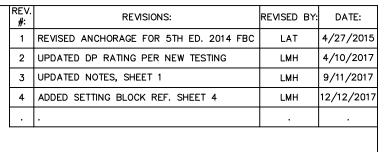


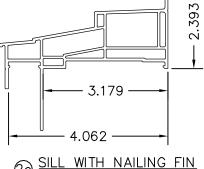


© SILL WITH FLANGE PART #DH1103S 0.071" EXT. WALL THK. 0.059" INT. WALL THK.



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





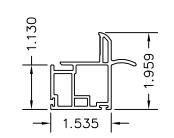
SILL WITH NAILING FIN

& J-CHANNEL

PART #DH1203S

0.071" EXT. WALL THK.

0.059" INT. WALL THK.



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



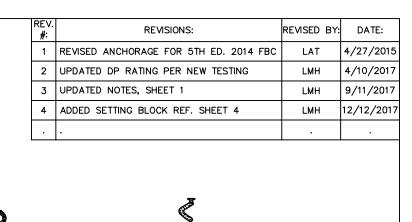
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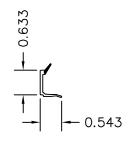
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FIT	6 of 7				
SFRIFS:					

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





1" GLAZING BEAD PART #BV18 0.059" WALL THK. ① 0.250 FINSEAL WEATHERSTRIPPING

0.210 FINSEAL WEATHERSTRIPPING

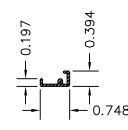
0.340 FINSEAL WEATHERSTRIPPING

I

FOAM BULB (HEAD INSERT) PART #32001

FOAM BULB (6) (BOTTOM SASH) PART #32642

FOAM BULB (7) (BOTTOM SASH) PART #32341



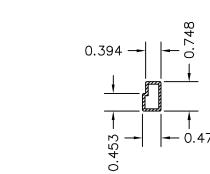
REINFORCEMENT 16 GA. H.D. GALV. G-90

0.398

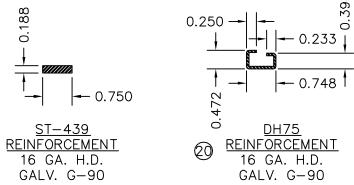
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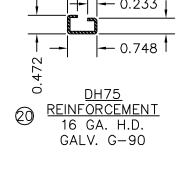
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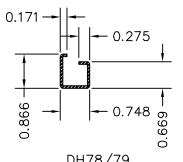
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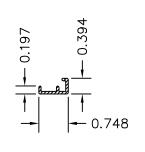
<u>56109</u> REINFORCEMENT ALUM. 6063-T6 0.062" WALL



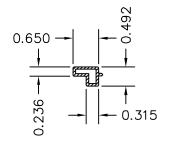




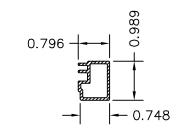
DH78/79 REINFORCEMENT 16 GA. H.D. GALV. G-90



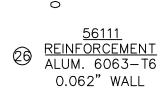
16107 REINFORCEMENT ALUM. 6063-T6 0.062" WALL



RE0044 REINFORCEMENT ALUM. 6063-T6 0.062" WALL



60911 REINFORCEMENT ALUM. 6063-T6 0.062" WALL





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PH. 941-380-1574

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COMPONENTS (CONTINUED)