AMERICAN CRAFTSMAN WINDOWS
SILVER LINE WINDOWS AND DOORS
V3 SERIES/70 SERIES DOUBLE-HUNG WINDOW
(3600) (IMPACT) (HVHZ)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
   - TAS 201-94
   - TAS 202-94
   - TAS 203-94
   - AAMA/WDMA/CSA 101/I.S.2/A440-17
   - ASTM E1886-19
   - ASTM E1996-20

2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.

3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.

4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER OR AHJ.

5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.

6. WINDOW FRAME MATERIAL: PVC

7. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.

8. DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:
   X: OPERABLE PANEL
   O: FIXED PANEL

DESIGN PRESSURE TABLE			
SIZE	CONFIGURATION	DESIGN PRESSURE	MISSILE IMPACT RATING
46.0" X 72.0"	X/X	+50/-50 PSF	LARGE MISSILE

TABLE OF CONTENTS

SHEET	SHEET DESCRIPTION
1	GENERAL NOTES & GLAZING DETAILS
2	ELEVATIONS & ANCHOR LAYOUTS
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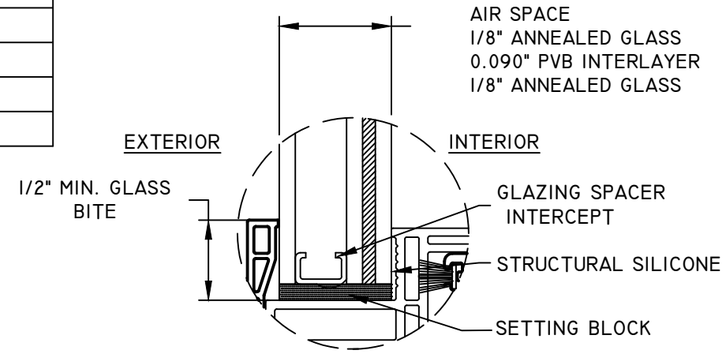
4	HORIZONTAL SECTIONS
5	ANCHOR DETAIL & SCHEDULE
6	COMPONENTS & BILL OF MATERIALS



GLAZING DETAIL 1

NOTE:
1. ALL GLAZING CONFIGURATIONS SHALL COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CURRENT FBC AND ASTM E 1300 GLASS LOAD RESISTANCE.
2. SETTING BLOCK SHOULD BE 70-90 DUROMETER AS PER CH 24 OF THE CURRENT FBC.
3. GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE SETTING BLOCKS AT $\frac{1}{4}$ SPAN FROM CORNERS.
4. FOR INSTALLATION ABOVE 30 FT. ABOVE GRADE IN AREAS REQUIRING IMPACT RESISTANCE, ALL UNITS MUST BE SAFETY GLAZED OR COVERED BY AN IMPACT PROTECTIVE SYSTEM PER FBC CHAPTER 24.

AMERICAN CRAFTSMAN WINDOWS
SILVER LINE WINDOWS AND DOORS

ONE SILVERLINE DRIVE
NORTH BRUNSWICK, NJ 08902
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TITLE: V3 SERIES70 SERIES DOUBLE HUNG WINDOW (IMPACT)(HVHZ) GENERAL NOTES & GLAZING DETAILS

NO.	REVISION DESCRIPTION	BY	DATE
B	7TH EDITION 2020 FBC	LMH	12.05.20
C	8TH EDITION (2023) FBC	LMH	12.10.23
D	UPDATED TO CURRENT TESTING	LMH	12.05.24
E	CURRENT FBC	LMH	01.09.25

DATE: 10.03.17 | DWN BY: CL | CHK BY: HFN | SCALE: NTS

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.01.23 13:15:30 +03'00'

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HERMES F. NORERO
FLORIDA P. E. NO. 73778
1900 NE MIAMI CT. SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

BUILDING DROPS, INC.
1900 NE MIAMI CT. SUITE 2-15
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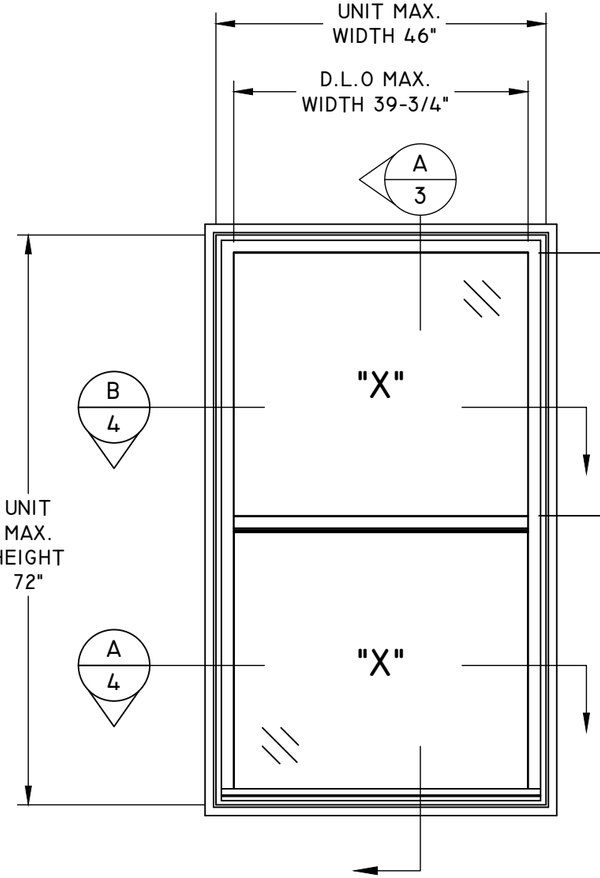
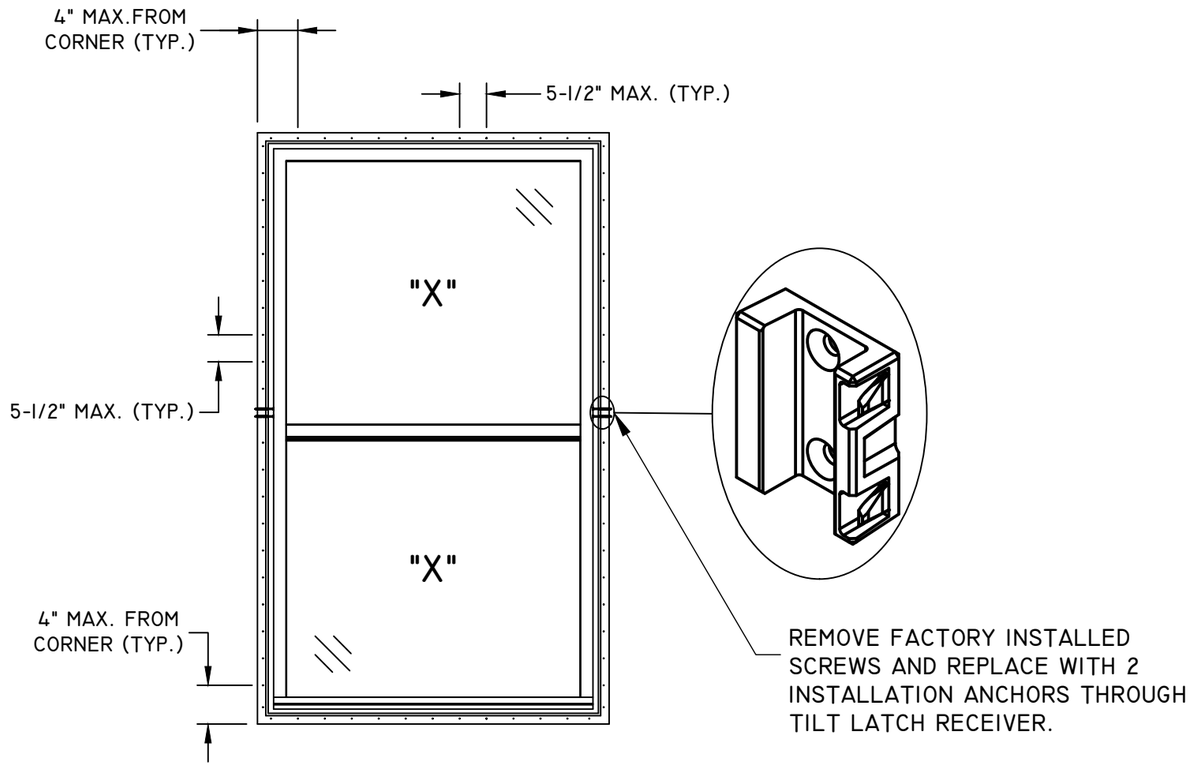
PH:(954)399-8478 FX:(954)744-4738

FL#: 14996

DWG #: SWD035



ELEVATION



ANCHOR LAYOUT
NAIL FIN INSTALLATION

AMERICAN CRAFTSMAN
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SILVER LINE WINDOWS AND
DOORS

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ELEVATIONS & ANCHOR LAYOUTS

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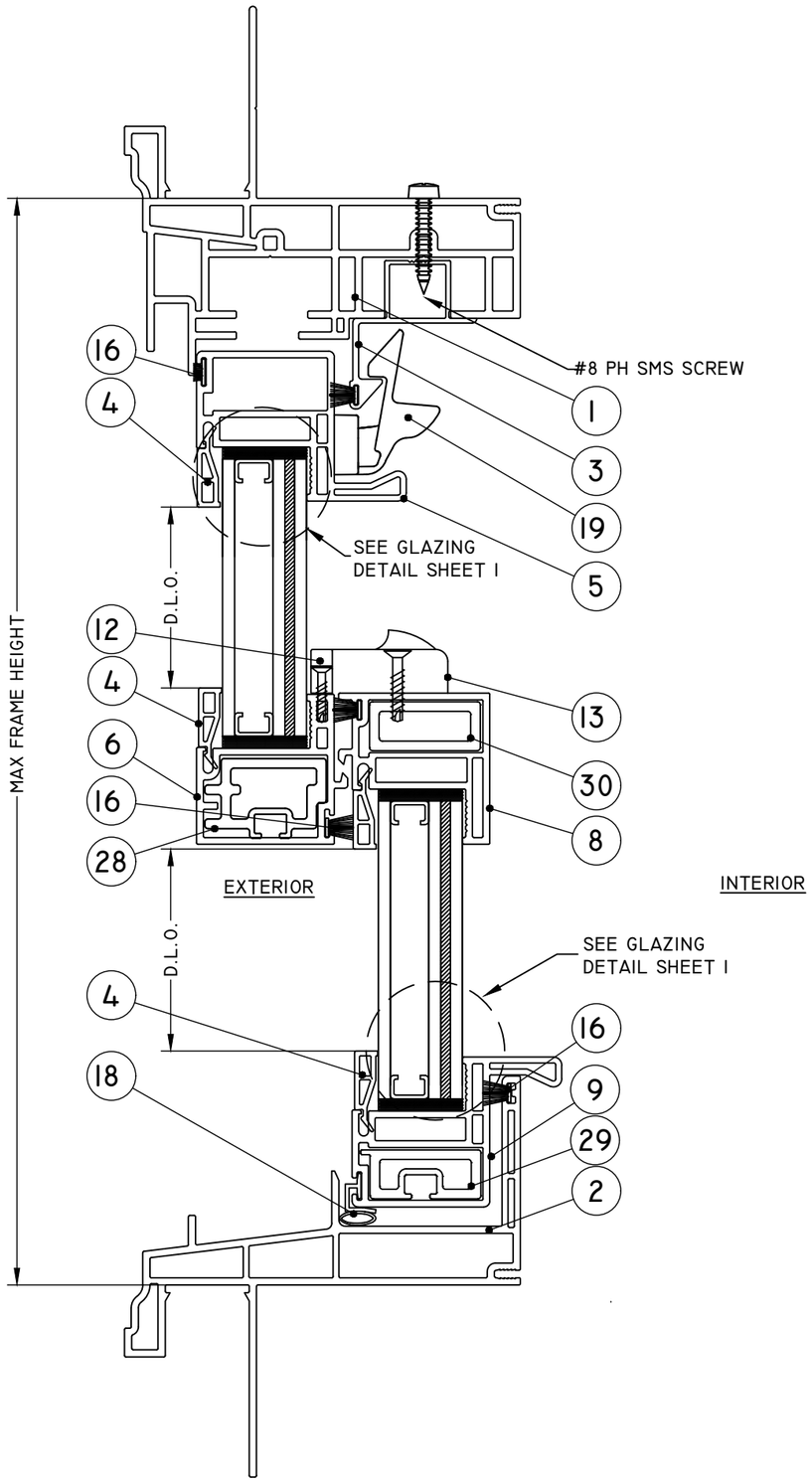
DWG #: SWD035

SHEET: 2 OF 6

A/3 VERTICAL SECTION



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SILVER LINE WINDOWS AND DOORS

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VERTICAL SECTION

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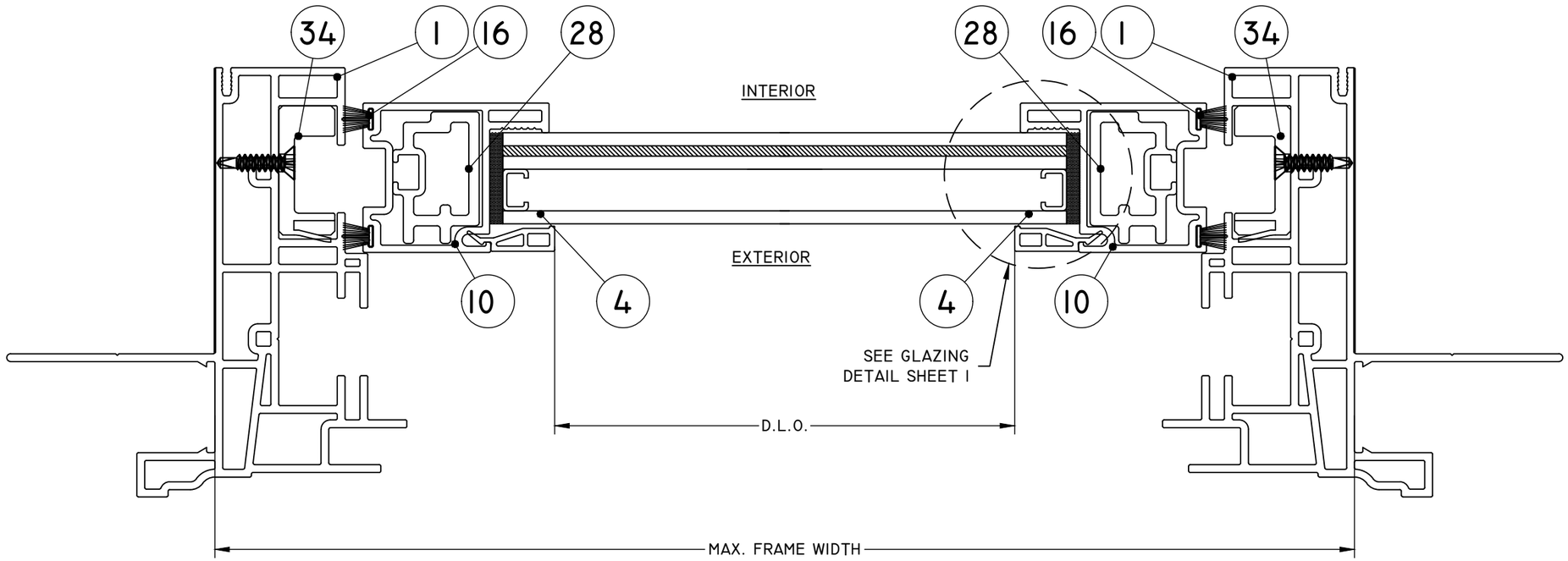
SHEET: 3 OF 6



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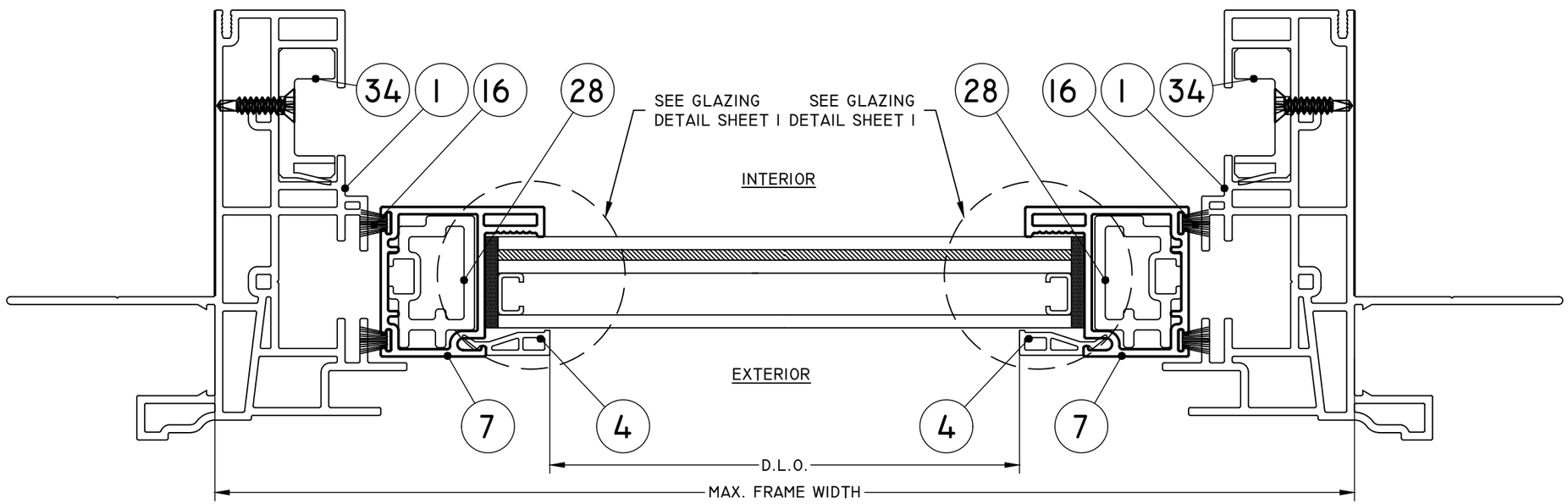

B/4 HORIZONTAL SECTION

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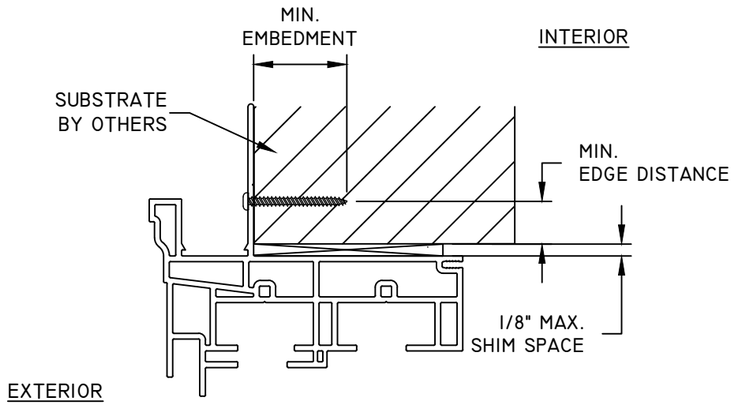
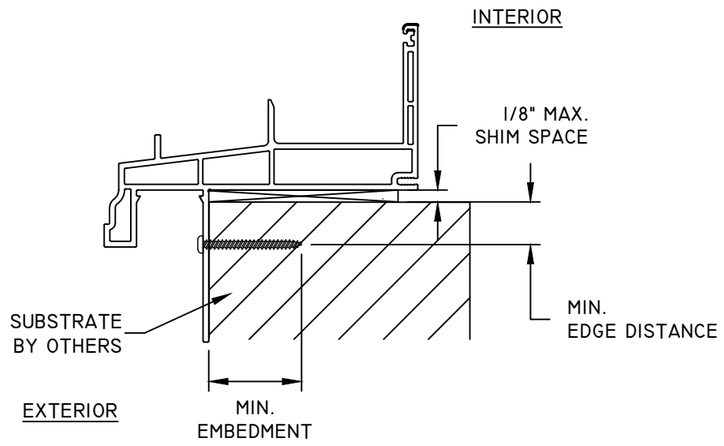
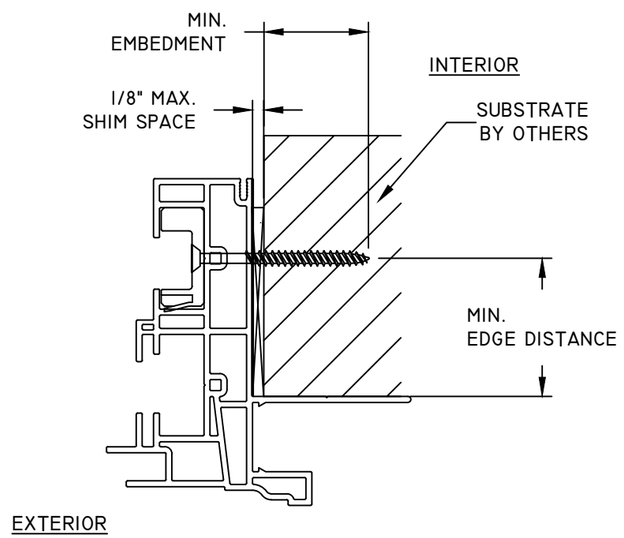


A/5 ANCHOR DETAIL
NAIL FIN (HEAD)



B/5 ANCHOR DETAIL
NAIL FIN (SILL)



B/5 ANCHOR DETAIL
THROUGH FRAME (JAMB)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
9. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

NAIL FIN ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR	MIN EMBEDMENT	MIN. EDGE DISTANCE
NAIL FIN	WOOD: MIN. SG = 0.42	#8 WOOD SCREW	1-5/8"	3/4"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#8 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	3/4"
FRAME ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR	MIN EMBEDMENT	MIN. EDGE DISTANCE
FRAME	WOOD: MIN. SG = 0.42	#10 WOOD SCREW	1-1/2"	3/4"
	METAL: 18 GAUGE Steel, MIN. Fy = 33KSI	#10 TEK SCREW	3 THREADS MIN PENETRATION BEYOND METAL	3/4"

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SILVER LINE WINDOWS AND DOORS

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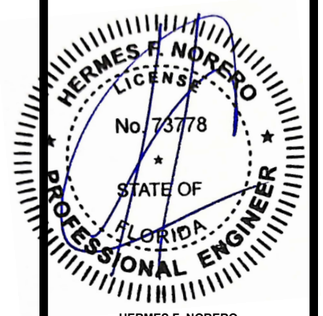

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FL#: 14996

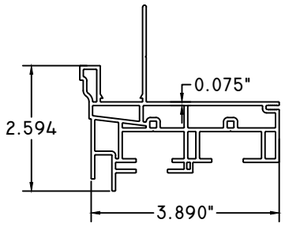
DWG #: SWD035

SHEET: 5 OF 6

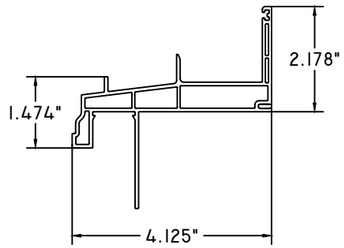
BILL OF MATERIALS

NO.	PART NUMBER	DESCRIPTION	MATERIAL
1	52-3001	HEAD/ JAMB	PVC
2	52-3033	SILL	PVC
3	50-9522	HEAD ADAPTER	PVC
4	52-1227	GLAZING BEAD	PVC
5	52-8506	UPPER LIFT RAIL	PVC
6	52-8507	UPPER SASH BOTTOM RAIL	PVC
7	52-8504	UPPER SASH STILE	PVC
8	52-8508	LOWER SASH TOP RAIL	PVC
9	52-8506	LOWER SASH LIFT RAIL	PVC
10	52-8505	LOWER SASH LOCK STILE	PVC
12	-	UPPER SASH KEEPER	STEEL
13	-	LOWER SASH LOCK	STEEL
16	-	WEATHERSTRIP PILE	-
18	-	BOTTOM SASH WEATHERSTRIP	-
19	-	UPPER SASH LATCH	PVC
20	-	GLAZING COMPOUND	SILICONE
21	-	UPPER SASH TILT LATCH	PLASTIC
22	-	UPPER SASH PIVOT BAR	STEEL
26	-	SASH LOCK ASS'Y	-
27	-	SASH LOCK KEEPER	-
28	50-9523	KEEPER RAIL & STILE REINFORCEMENT	ALUMINUM
29	50-9530	LIFT RAIL REINFORCEMENT	ALUMINUM
30	50-9529	LOCK RAIL REINFORCEMENT	ALUMINUM
31	-	GLAZING SPACER (INTERCEPT)	STEEL
33	-	GLAZING SPACER (SUPERSPACER)	PVC
34	12-0002	TILT LATCH RECEPTOR	-

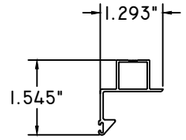
1 HEAD/ JAMB



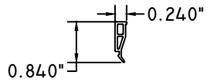
2 SILL



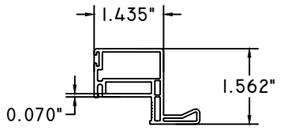
3 HEAD ADAPTER



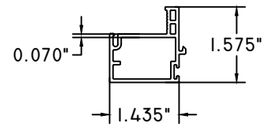
4 GLAZING BEAD



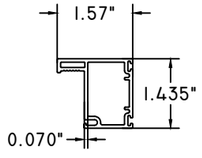
5 UPPER LIFT RAIL



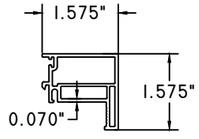
6 UPPER SASH BOTTOM RAIL



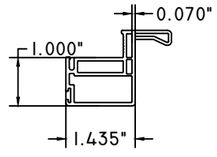
7 UPPER SASH STILE



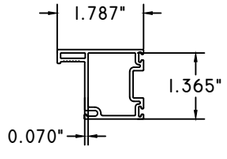
8 LOWER SASH TOP RAIL



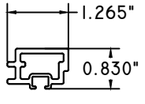
9 LOWER SASH LIFT RAIL



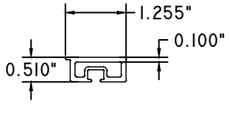
10 LOWER SASH STILE



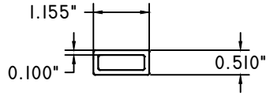
28 SASH RAIL REIN.



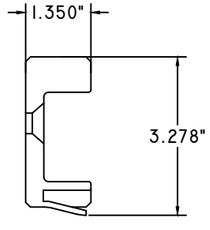
29 SASH REIN.



30 KEEPER RAIL REIN.



34 TILT LATCH RECEPTOR



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SILVER LINE WINDOWS AND DOORS

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MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION NO. 29578

BUILDING DROPS, INC.
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DWG #: SWD035

SHEET: 6 OF 6