



PRI Construction Materials Technologies LLC

6412 Badger Drive
Tampa, FL 33610
813.621.5777
<https://www.pri-group.com/>

Laboratory Test Report

Report for: Croft LLC
1800 North Clark Avenue
Magnolia, MS 39652

Product Type: PVC Fixed Window

Product Series: 11FPW Series

Project No.: 2189T0065

Date(s) Tested: July 14th, 2025

Results: Compliant: Class R-PG50 1829 x 1829mm (72 x 72in) - Fixed

11FPW Series Fixed (72" x 72") Summary	
Test Method Description	Summary of Results
AAMA/WDMA/CSA 101/1.S.2/A440-17	Class R-PG50 1829 x 1829mm (72 x 72in) - Fixed
Design Test Pressure:	±2400 Pa (±50.13 psf)
Air Leakage (Infiltration):	<0.1 L/s·m ² (<0.01 cfm/ft ²)
Air Leakage (Exfiltration):	<0.1 L/s·m ² (<0.01 cfm/ft ²)
Water Penetration Resistance Test Pressure:	580 Pa (12.11 psf)
Forced Entry Resistance Grade Level:	Type "D" Grade 10

Test Methods

Testing was completed as described in North American Fenestration Standard/Specification for windows, doors, and skylights (NAFS) AAMA/WDMA/CSA 101/1.S.2/A440-17. Test methods assigned or reference include, ASTM E283 Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen, ASTM E547 Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference, ASTM E330 Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Difference, and ASTM F588 Standard Test Methods for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact.

Report Date: 08/26/2025	Test Record Retention Date: 08/26/2035
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Reference must be made to Project No., 2189T0065, dated 08/26/2025 for complete test specimen description and detailed results.

2189T0065

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I. Product Manufacturer & Location

Croft LLC
1800 North Clark Avenue
Magnolia, MS 39652

II. Accredited Testing Laboratory

PRI-Construction Materials Technologies, LLC
6412 Badger Drive
Tampa, FL 33610

II.1.1. Testing Location:

Testing was conducted at PRI-CMT located in Tampa, FL. Verification of testing instrumentation was performed by either an ISO accredited calibration laboratory or by a PRI-CMT representative in compliance with PRI-CMT In-House quality control program governed by ISO/IEC 17025-17.

III. Product Type

White PVC Fixed Window

IV. Product Series/Model

11FPW Series

V. Test Specimen Details

V.1. Sizes

V.1.1. Overall Unit Size: 1829 x 1829mm (72" x 72") 3.3m² (36.0ft²)

V.2. Framing Members

V.2.1. Head/Sill/Jamb: Extruded PVC mitered and thermally welded at each corner.

V.3. Daylight Opening

Size		Total Area		Quantity
mm	inches	m ²	ft ²	
1727 x 1727	68 x 68	2.98	32.11	1

V.4. Glazing

IGU Thickness	Spacer Type	Interior Pane	Exterior Pane	Glazing Method	Glazing Bite
Dual Glaze 19mm (3/4")	Metal "U" Shaped Single Sealed	5mm (3/16") Annealed	5mm (3/16") Annealed	The IGU was set from the exterior, onto a bed of silicone sealant, and secured with vinyl glazing beads.	13mm (1/2")

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V.5. Weeping System

Drainage Type	Member Location	Location on Frame Member	Drainage Size	Quantity
Weep Slot	Bottom rail glazing pocket, draining to the cavity below	51mm (2") O.C. from each end	10mm (3/8") long by 6mm (1/4") wide	2
Weep Slot	Intermediate wall draining to the adjacent cavity (Thru 1 wall)	38mm (1-1/2") O.C. from each end	25mm (1" long by 6mm (1/4") tall	2
Weep Slot	Intermediate wall draining to the cavity below (Thru 1 wall)	19mm (3/4") O.C. From each end	10mm (3/8") long by 5mm (3/16") wide	2
Weep Slot	Bottom rail exterior face, draining to the exterior	70mm (2-3/4") O.C. from each end	38 mm (1-1/2") long by 7mm (5/16") tall	2

V.6. Weatherstripping – “No Weatherstripping”

V.7. Reinforcements – “No Reinforcement”

V.8. Hardware Components – “No Hardware”

V.9. Screen - “No Screen”

V.10. Installation

The test specimen was installed into a nominal 2"x10" SYP wooden test buck. The rough opening maintained a clearance of 6mm (1/4") around the perimeter. Silicone sealant complying with AAMA 800 was applied behind the nail fin, sealing the test specimen to the test buck.

Frame Member	Dimensional Location on Member	Anchor Description
Head/Sill/Jambs	Through the nail fin within 51mm (2") from each corner and spaced 140mm (5-1/2") O.C. thereafter, in every nail fin hole.	#8 x 1-1/2" PH Pan Head Screw

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VI. Equipment Utilized:

- VI.1.** Computer controlled reversible blower with pressure transducers
- VI.2.** Linear distance transducers
- VI.3.** Water spray rack
- VI.4.** Gas mass with LFE
- VI.5.** Load Cell

Official list of Witnesses:

Tim Efaw

Ken Binnion

Jerrid Fleming

Matthew Spatafora

Company:

PRI-CMT

PRI-CMT

Croft LLC

The Vinyl Company

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VII. Test Results: Conditions at the beginning of testing were 23°C (73°F) with 50% Rh.

Test Method	Test Pressure	Allowable	Recorded Measurement	Result
Air Infiltration ASTM E283	75 Pa (1.57 psf)	1.5 L/s·m ² (0.3 cfm/ft ²)	<0.1 L/s·m ² (<0.01 cfm/ft ²)	Pass ¹
Air Exfiltration ASTM E283		Report Only	<0.1 L/s·m ² (<0.01 cfm/ft ²)	Pass
Water Intrusion ASTM E547	580 Pa (12.11 psf)	No penetration of water beyond innermost plane, excluding trim and hardware.	No Leakage	Pass ²
Uniform Load Deflection ASTM E330 ^{3,4}	±2400 Pa (±50.13 psf)	Report Only	Positive 0.5mm (0.02") Negative 0.8mm (0.03")	Pass
Uniform Load Structural ASTM E330 ^{3,4}	±3600 Pa (±75.19 psf)	0.6mm (0.02")	Positive 0.3mm (0.01") Negative <0.3mm (<0.01")	Pass
Forced Entry Resistance ASTM F588	N/A	No Entry	Type: "D" Grade: 10	Pass
Thermoplastic Corner Weld	N/A	Bonded intersection shall not break along entire weld line	Meets as stated	Pass

Notes:

1. The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440 for air leakage resistance.
2. Tested without screen.
3. Loads were held for 10 seconds.
4. Deflection and permanent set values were captured on the jamb between anchors. Unsupported span measured 140mm (5.5").

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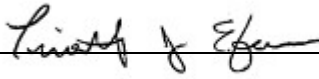
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Statement of Compliance:

Testing was conducted in accordance with methods designated in AAMA/WDMA/CSA 101/I.S.2 A440-17 North American Fenestration Standard/Specification for Windows, Doors, and Skylights. Upon completion of testing the test specimen met the minimum performance requirements outlined for a Class R-PG50 1829 x 1829mm (72 x 72in) - Fixed. The laboratory test results presented in this report are representative of the specimen supplied. This report does not constitute certification of this product which may only be granted by the certification program administrator.

Detailed drawings showing wall thickness of all members, corner construction and hardware application are on file and have been compared to the sample submitted. A test sample will be retained at the test laboratory for a period of 2 years electronic documentation will be retained for a period of 10 years. A copy of this report has been forwarded to the Validator. Manufacturer's drawings and bill of materials are contained in Appendix A.

Signed: 
Timothy Efaw
Manager

Signed: 
Ken Binnion
Technician

Date: August 26th, 2025

Date: August 26th, 2025

Report Issue History:

Issue #	Date	Pages	Revision Description (if applicable)
Original	08/26/2025	11	NA

Appendix Follows

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Manufacture Drawings / BOM

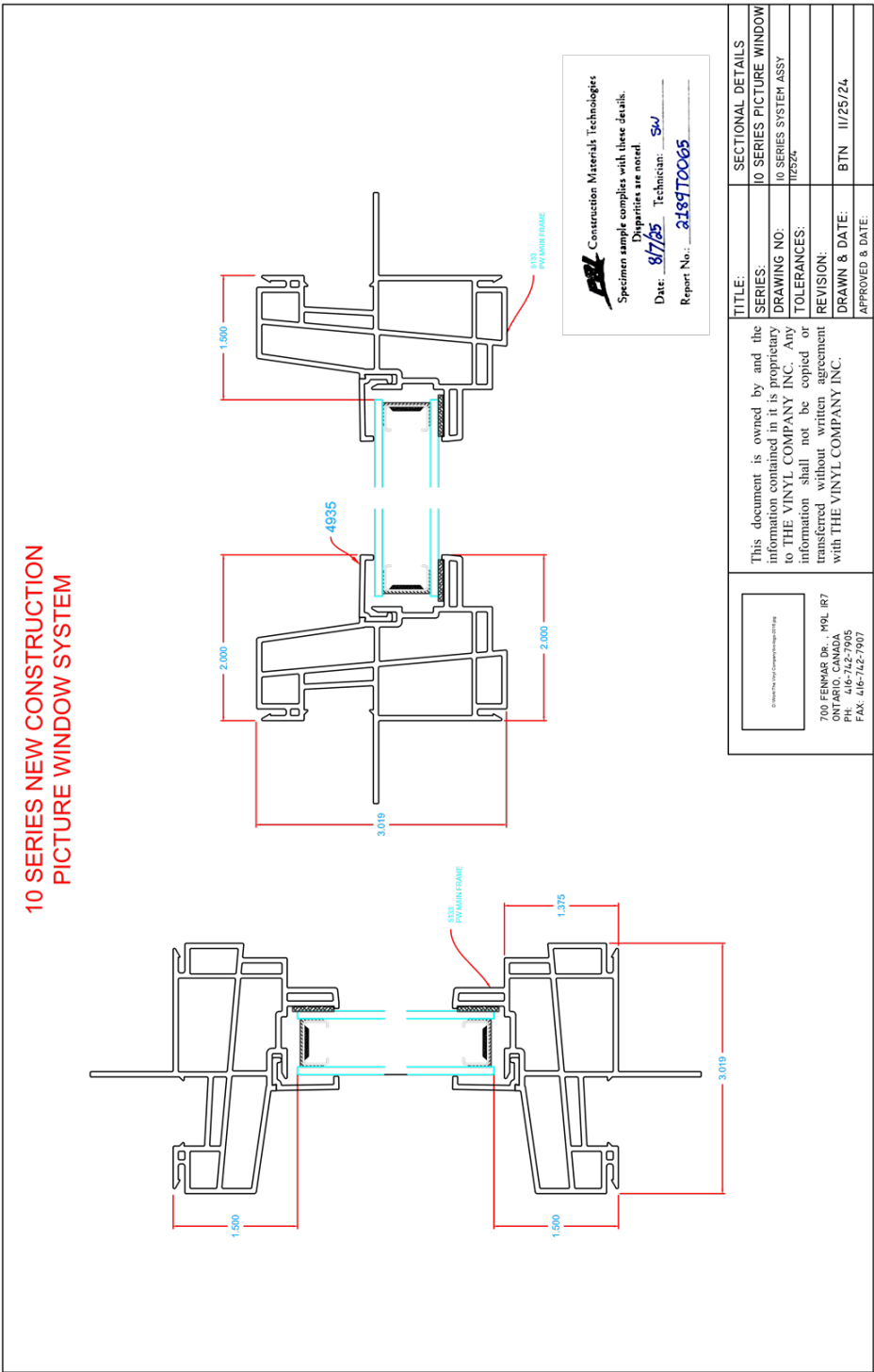
SERIES 11FPW PICTURE WINDOW							
ITEM	DESCRIPTION	PART #	QTY	PART SPECS	MATERIAL	SOURCE	NOTES
1	MAIN FRAME SILL	5133	1		PVC	THE VINYL COMPANY	
2	MAIN FRAME JAMBS	5133	2		PVC	THE VINYL COMPANY	
3	MAIN FRAME HEAD	5133	1		PVC	THE VINYL COMPANY	
4	GLAZING BEAD (3/4" IG)	4935	4		PVC	THE VINYL COMPANY	
5	GLAZING BEAD (7/8" IG)	2863	4		PVC	THE VINYL COMPANY	
HARDWARE							
	WEEP COVER	900-003	2			LAWRENCE INDUSTRIES	
GLAZING							
	GLAZING SHIMS		8	1/8"X3/4" X 3/4"		TRESCO	1
	GLAZING TAPE		AR	1/16" X 1/2" (AWT)		ARLON	1
	SILICONE SEALANT	NOVAFLEX	AR			NOVAGUARD	1

 Construction Materials Technologies
Specimen sample complies with these details.
Disparities are noted.
Date: 8/14/35 Technician: kt
Report No. 2189T0066

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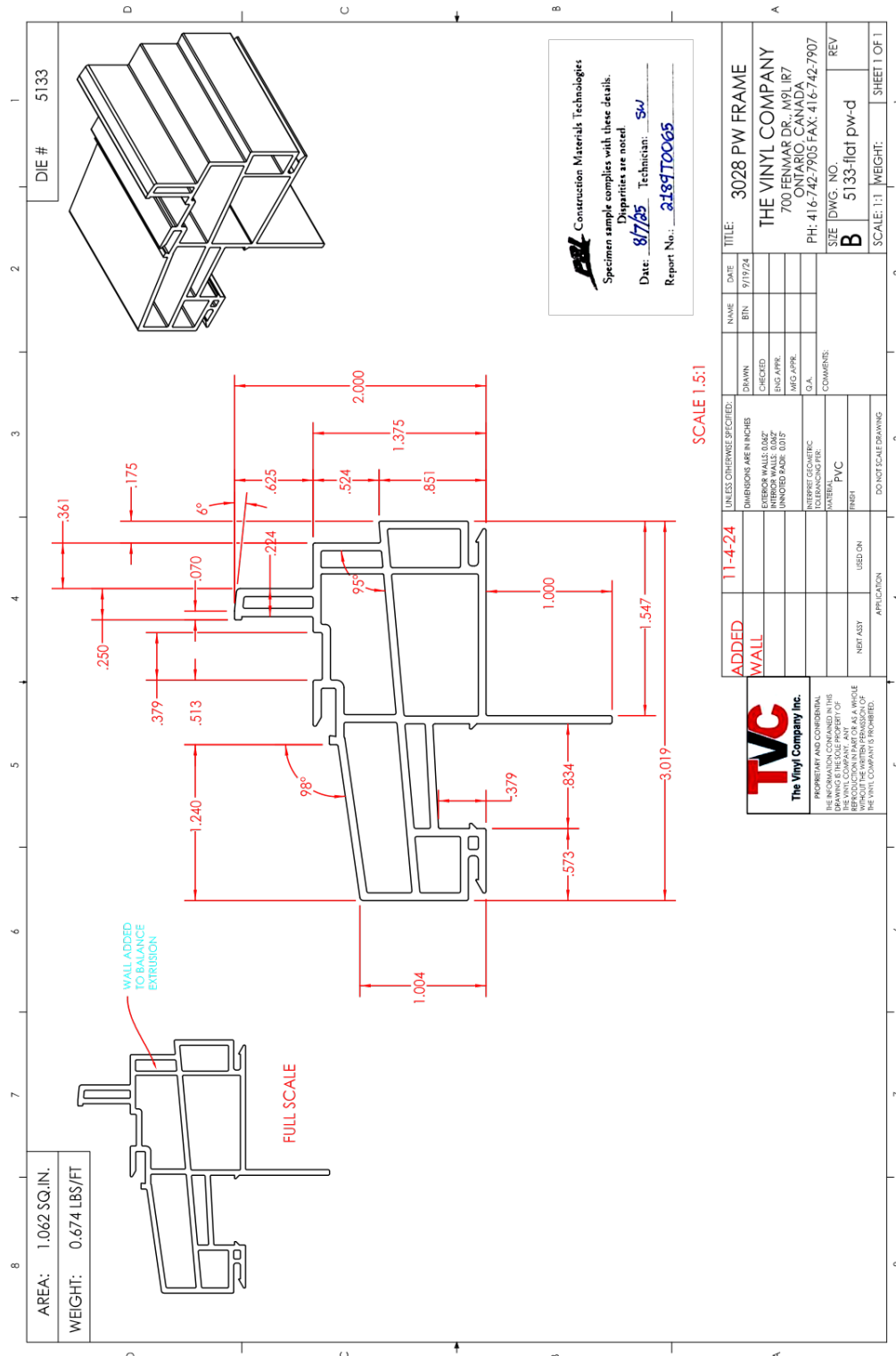
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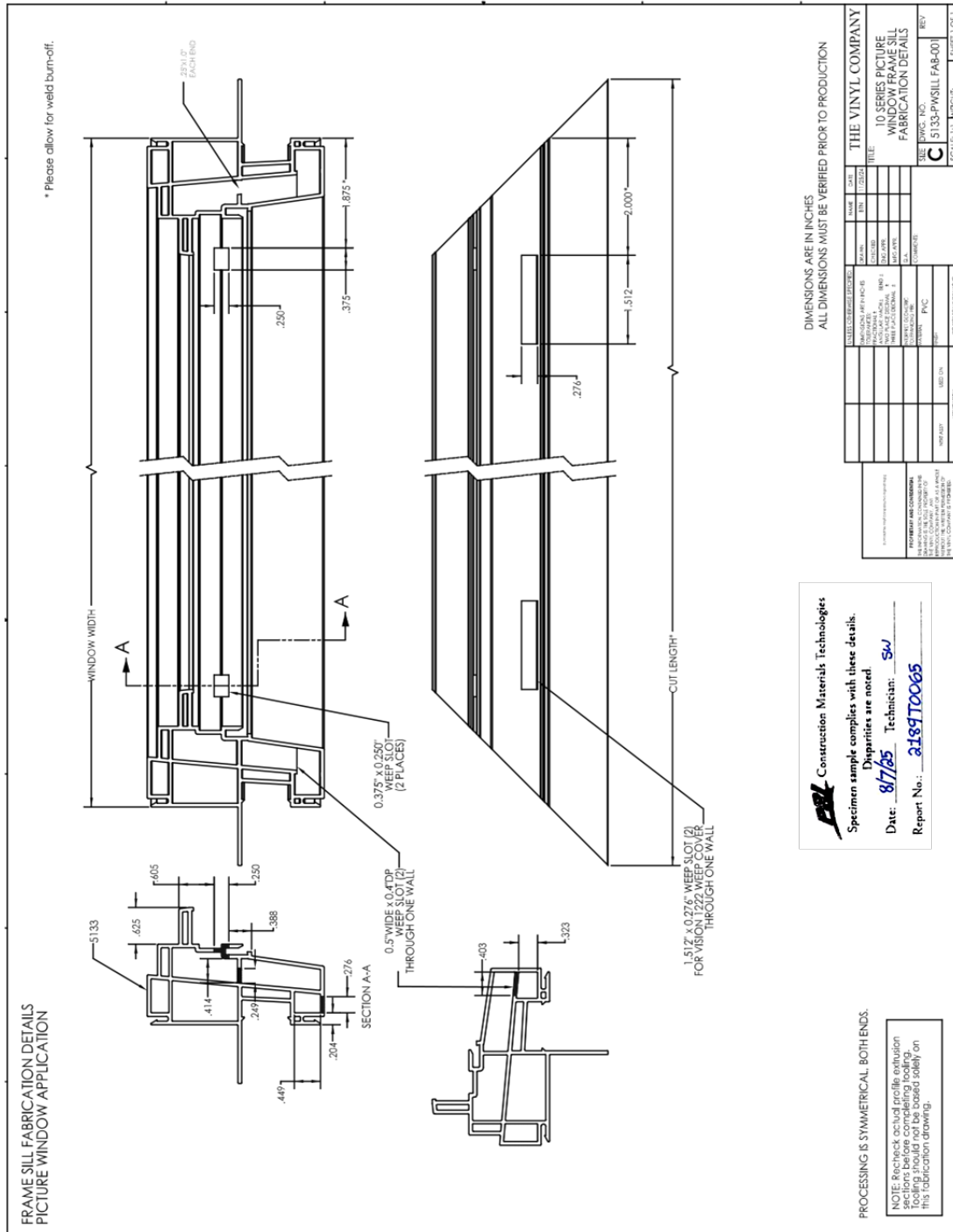
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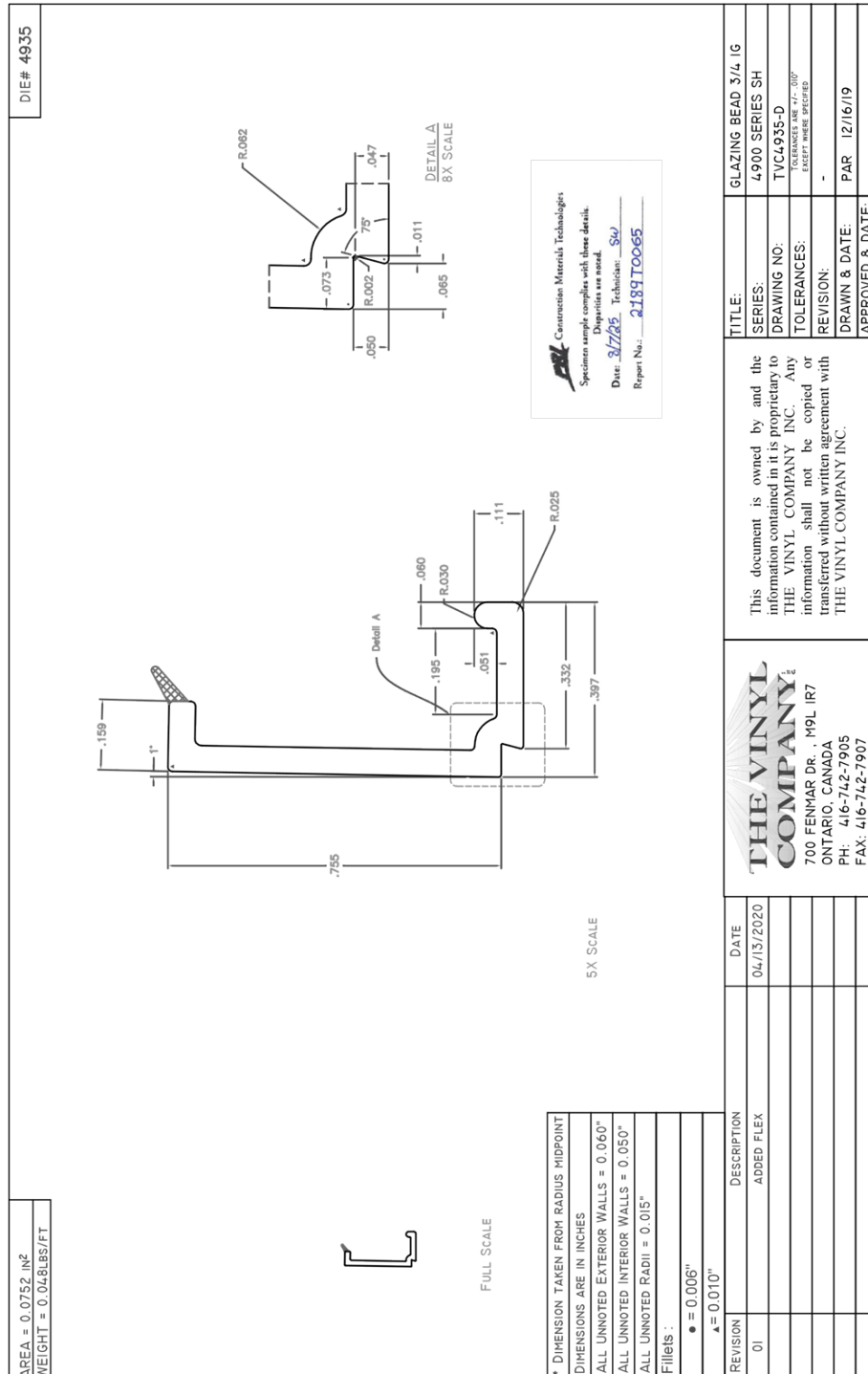
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End of Report

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