

## TEST REPORT

*Performance Evaluation of*  
Sliding Glass Door  
"Amalfi Patio Door"

*Performed in Accordance with:*  
AAMA/WDMA/CSA101/I.S.2/A440-22 (NAFS-22)  
& CSA A440S1-19

Report No.: L24-926-6789  
Report Date: February 6, 2024

Prepared for:  
Vista Patio Doors Inc.  
69 Jardin Drive  
Concord, ON L4K 1X5  
Canada

### **Overall Performance Rating**

**Test Completion Date: September 22, 2023**

Class R-PG1440: Size tested 2180 mm x 2000 mm-Type SGD

Class R-PG30: Size tested 85.83 in x 78.74 in-Type SGD

Positive Design Pressure: 1440 Pa (30.00 psf)

Negative Design Pressure: 1440 Pa (30.00 psf)

Water Penetration Resistance: 220 Pa (4.59 psf)

Canadian Air Infiltration/Exfiltration: A3

Forced Entry Resistance: Grade 10

*Respectfully submitted by:*

**CANADIAN BUILDING ENVELOPE  
Science and Technology (CAN-BEST)**

*Tests Performed by:*



Sandi Abdelrehim, E.I.T.  
Project Manager

*Person in Responsible Charge:*



Elie Alkhoury, M.Eng. (Building Science), P.Eng.  
Director, Research and Testing Services

1. This report does not constitute certification of the test product. The reported test results refer only to the specimen tested. No representation is made that other samples of similar design will feature like performance.
2. This report was prepared for the consideration of the addressee only. It shall not be used by any other party without the written consent of CAN-BEST.
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## 1. INTRODUCTION

Canadian Building Envelope Science and Technology (CAN-BEST) was retained by Vista Patio Doors Inc. to test one Sliding Glass Door. Testing was conducted in accordance with the performance requirements outlined in AAMA/WDMA/CSA101/I.S.2/A440-22 'North American Fenestration Standard / Specification for Windows, Doors, and Skylights' and its Canadian Supplement CSA A440 S1-19. Where applicable, testing was carried out in accordance with the corresponding ASTM standard test method.

This report covers tests carried out on one specimen of specific dimensions. Product performance is affected by variations in its dimensions, assembly details and installation method. The reader is advised to ensure product conformity with all the details of the test sample described in the following section.

No conclusions regarding glass structural performance may be drawn from the reported results.

## 2. SAMPLE DESCRIPTION

**Designation:** "Amalfi Patio Door"  
**Type:** Vinyl Sliding Glass Door 2180 mm wide by 2000 mm high (85.83 in by 78.74 in)  
**Sampling:** Sampling of the test specimen was carried out by the Client.  
**Specimen Details:** Details of specimen construction and installation, as provided by the client and verified by CAN-BEST, are provided in the following drawings:  
**Drawings:**  

|                                  |         |
|----------------------------------|---------|
| Description Pages:               | 2 pages |
| Vertical and horizontal sections | 3 pages |
| Bill of Materials                | 1 page  |
| Die Drawings                     | 7 pages |

Copy of the above drawing(s), stamped "Canadian Building Envelope Science and Technology", is enclosed with this report.

## 3. TEST RESULTS

Detailed test results are presented in Tables (1.1) and (1.2) for the Gateway and Optional Performance requirements respectively.

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### Notes:

- This report does not constitute certification of this product, which may only be granted by an Accredited Certification Agency.*
- The reported results were secured by using the designated test methods and they (DO) indicate compliance with the performance requirements of the referenced publication.*
- The product tested is detailed in drawings, which were supplied by the manufacturer and annexed to this report. Any other descriptions were supplied verbally by the manufacturer. The general descriptions in this report are for reference only.*

**Table (1.1): Test Results, Gateway Performance Requirements**

Test Size: 2180 mm x 2000 mm (85.83 in x 78.74 in)

Test Start Date: September 21, 2023

Test Finish Date: September 22, 2023

| Test  | Specifications   | Test Results   | Rating                            |
|---|--|--|-----------------------------------|
| <b>Air Leakage Resistance</b><br><br><b>8.3.2</b><br><i>ASTM E283</i>     | Rate of air leakage (Infiltration/Exfiltration) shall be less than or equal to the following:<br><br><div><i>l/s/m<sup>2</sup> (cfm/ft<sup>2</sup>)</i></div> <div><i>Canadian A2:</i> 1.5 (0.30)</div> <div><i>Canadian A3:</i> 0.5 (0.10)</div> <div><i>Canadian Fixed:</i> 0.2 (0.04)</div> <div>Test Pressure, Pa (psf): 75 (1.57)</div> | Surface Area, m <sup>2</sup> (ft <sup>2</sup> ): 4.360 (46.93)<br><br>Measured Air Flow, l/s (cfm):<br><div><i>Infiltration:</i> 0.65 (1.39)</div> <div><i>Exfiltration:</i> 1.04 (2.20)</div> <div>Rates of Air Flow, l/s/m<sup>2</sup> (cfm/ft<sup>2</sup>):</div> <div><i>Infiltration:</i> 0.15 (0.03)</div> <div><i>Exfiltration:</i> 0.24 (0.05)</div> | <b>PASS</b><br><br>Canadian<br>A3 |
| <b>Water Resistance</b><br><br><b>8.3.3</b><br><i>ASTM E 547</i>          | No leakage past innermost plane following four pressure cycles, each five minutes "ON" and one minute "OFF".<br><br>Test Pressure, Pa (psf): 140 (2.92)<br><i>(Equivalent to wind speed of 34 mph)</i>   | No leakage past innermost plane was observed.<br><br><div><div><i>Test</i><i>Result</i></div><div><i>With Screen,</i><i>OK 4 cycles</i></div><div><i>Without Screen,</i><i>OK, 4 Cycles</i></div></div>  | <b>PASS</b>                       |
| <b>Uniform Load Deflection</b><br><br><b>8.3.4.2</b><br><i>ASTM E 330</i> | Report the net deflections at the following test pressure, Pa (psf):<br><br>Inward Pressure: 720 (15.03)<br>Outward Pressure: 720 (15.03)<br><i>(Equivalent to wind speed of 77 mph)</i>   | Span, mm (in): 1960 (77.17)<br><br>Measured net deflection of Meeting Stiles:<br><br><div><div><i>Deflection, mm (in)</i></div><div>Inward: 1.0 (0.041)</div><div>Outward: 8.3 (0.325)</div></div>   | <b>Report Only</b>                |
| <b>Uniform Load Structural</b><br><br><b>8.3.4.3</b><br><i>ASTM E 330</i> | No glass breakage or permanent damage to window components at the following test pressure, Pa (psf).<br>Net Permanent Deflection to be less than 0.4% of span, or 7.8 mm (0.309 in).<br><br>Inward Pressure: 1080 (22.55)<br>Outward Pressure: 1080 (22.55)<br><i>(Equivalent to wind speed of 94 mph)</i>                                   | Measured net permanent deflection of Meeting Stiles, mm (in):<br><br>Span = 1960 (77.17)<br><br><div><div><div><i>Deflection</i><i>% Span</i></div><div>Inward: 0.78 (0.031) 0.04</div><div>Outward: 2.10 (0.083) 0.11</div></div></div>   | <b>Report Only</b>                |

| Table (1.1): Test Results, Gateway Performance Requirements, Continued |  |  |  |  |    |    |          |    |
|--|--|--|--|--|----|----|----------|----|
| Test Size: 2180 mm x 2000 mm (85.83 in x 78.74 in)                     |  |  |  |  |    |    |          |    |
| Test Start Date: September 21, 2023                                    |  |  |  | Test Finish Date: September 22, 2023                             |    |    |          |    |
| Test   |  | Specifications   |  | Test Results   |    |    | Rating   |    |
| Forced Entry Resistance  | No entry shall be gained during the following sequence of disassembly, load tests and hardware and sash manipulation tests:                        | Disassembly T1: 5 minutes<br>Hardware Load: N (lbf)<br>L1: 1334 (300)<br>L2: 778 (175)<br>Manipulation T1: 5 minutes |  | No entry was gained following the specified sequence of testing. |    |    | Grade 10 |    |
|  |  |  |  | TestResults  |    |    |          |    |
|  |  |  |  | Disassembly T1: OK   |    |    |          |    |
|  |  |  |  | Hardware Load:   |    |    |          |    |
| 8.3.5  |  |  |  | L1: OK   |    |    |          |    |
|  |  |  |  | L2: OK   |    |    |          |    |
| ASTM F 842   |  |  |  | Manipulation T1: OK  |    |    |          |    |
| Thermoplastic Corner Weld Test   | When frame and sash corners are loaded to failure, the break shall not extend along the entire weld line.  |  |  | Sash Corners   |    |    | PASS     |    |
|  |  |  |  | 1  | 2  | 3  |          | 4  |
|  |  |  |  | OK   | OK | OK |          | OK |
|  |  |  |  |  |    |    |          |    |
| 9.3.6.2 (NAFS 17)  |  |  |  |  |    |    |          |    |
| Deglazing Test   | Sash members shall not move from their original position by more than 90% of the original glazing bite under the following applied loads, N (lbf): | Rails: 230 (51.70)<br>Stiles: 320 (71.94)  |  | Measured glazing bite mm (in): 16 (0.61)                         |    |    | PASS     |    |
|  |  |  |  | MemberDeglazing%   |    |    |          |    |
|  |  |  |  | Top Rail: 3.40 (0.134) 22%                                       |    |    |          |    |
|  |  |  |  | Bottom Rail: 3.00 (0.118) 19%                                    |    |    |          |    |
|  |  |  |  | Meeting Stile: 5.50 (0.217) 35%                                  |    |    |          |    |
|  |  |  |  | Lock Stile: 4.10 (0.161) 26%                                     |    |    |          |    |
| 8.3.6.2  |  |  |  |  |    |    |          |    |
| ASTM E 987   |  |  |  |  |    |    |          |    |

| Table (1.2): Test Results, Optional Performance Requirements              |   |   | Class R-PG30-SGD           |               |                     |                    |                        |                     |                    |
|---|---|---|----------------------------|---------------|---------------------|--------------------|------------------------|---------------------|--------------------|
| Test Size: 2180 mm x 2000 mm (85.83 in x 78.74 in)                        |   |   |                            |               |                     |                    |                        |                     |                    |
| Test Start Date: September 21, 2023                                       |   | Test Finish Date: September 22, 2023  |                            |               |                     |                    |                        |                     |                    |
| Test  | Specifications  | Test Results  | Rating                     |               |                     |                    |                        |                     |                    |
| <b>Water Resistance</b><br><br><b>8.3.3</b><br><i>ASTM E 547</i>          | No leakage past innermost plane following four pressure cycles, each five minutes "ON" and one minute "OFF".<br><br>Test Pressure, Pa (psf): 220 (4.59)<br><i>(Equivalent to wind speed of 42 mph)</i>  | No leakage past innermost plane was observed.<br><br><table><tr><td><i>Test</i></td><td><i>Result</i></td></tr><tr><td><i>With Screen,</i></td><td><i>OK 4 cycles</i></td></tr><tr><td><i>Without Screen,</i></td><td><i>OK, 4 Cycles</i></td></tr></table>                               | <i>Test</i>                | <i>Result</i> | <i>With Screen,</i> | <i>OK 4 cycles</i> | <i>Without Screen,</i> | <i>OK, 4 Cycles</i> | <b>PASS</b>        |
| <i>Test</i>   | <i>Result</i>   |   |                            |               |                     |                    |                        |                     |                    |
| <i>With Screen,</i>   | <i>OK 4 cycles</i>  |   |                            |               |                     |                    |                        |                     |                    |
| <i>Without Screen,</i>  | <i>OK, 4 Cycles</i>   |   |                            |               |                     |                    |                        |                     |                    |
| <b>Uniform Load Deflection</b><br><br><b>8.3.4.2</b><br><i>ASTM E 330</i> | Report the net deflections at the following test pressures, Pa (psf):<br><br>Inward Pressure: 1440 (30.07)<br>Outward Pressure: 1440 (30.07)<br><i>(Equivalent to wind speed of 108 mph)</i>  | Span, mm (in): 1960 (77.17)<br><br>Measured net deflection of Meeting Stiles:<br><br><table><tr><td colspan="2"><i>Deflection, mm (in)</i></td></tr><tr><td><i>Inward:</i></td><td>1.1 (0.044)</td></tr><tr><td><i>Outward:</i></td><td>17.0 (0.668)</td></tr></table>                    | <i>Deflection, mm (in)</i> |               | <i>Inward:</i>      | 1.1 (0.044)        | <i>Outward:</i>        | 17.0 (0.668)        | <b>Report Only</b> |
| <i>Deflection, mm (in)</i>  |   |   |                            |               |                     |                    |                        |                     |                    |
| <i>Inward:</i>  | 1.1 (0.044)   |   |                            |               |                     |                    |                        |                     |                    |
| <i>Outward:</i>   | 17.0 (0.668)  |   |                            |               |                     |                    |                        |                     |                    |
| <b>Uniform Load Structural</b><br><br><b>8.3.4.3</b><br><i>ASTM E 330</i> | No glass breakage or permanent damage to window components, at Test Pressures, Pa (psf).<br>Net Permanent Deflection to be less than 0.4% of span, or 7.8 mm (0.309 in).<br><br>Inward Pressure: 2160 (45.10)<br>Outward Pressure: 2160 (45.10)<br><i>(Equivalent to wind speed of 163 mph)</i> | Measured net permanent deflection of Meeting Stiles, mm (in):<br>Span = 1960 (77.17)<br><br><table><tr><td><i>Deflection</i></td><td><i>% Span</i></td></tr><tr><td><i>Inward:</i></td><td>1.03 (0.041) 0.05</td></tr><tr><td><i>Outward:</i></td><td>2.43 (0.096) 0.12</td></tr></table> | <i>Deflection</i>          | <i>% Span</i> | <i>Inward:</i>      | 1.03 (0.041) 0.05  | <i>Outward:</i>        | 2.43 (0.096) 0.12   | <b>Report Only</b> |
| <i>Deflection</i>   | <i>% Span</i>   |   |                            |               |                     |                    |                        |                     |                    |
| <i>Inward:</i>  | 1.03 (0.041) 0.05   |   |                            |               |                     |                    |                        |                     |                    |
| <i>Outward:</i>   | 2.43 (0.096) 0.12   |   |                            |               |                     |                    |                        |                     |                    |

4. **Modifications:** No modifications were made on the specimen during testing in order to attain the reported results.

#### Revision Log

| Rev. No | Change                 | Date             | Apprv. By |
|---------|------------------------|------------------|-----------|
| -       | Original report issued | February 6, 2024 | EA        |
|         |                        |                  |           |
|         |                        |                  |           |

**TEST SAMPLE DESCRIPTION** Model: "Amalfi" SLIDING DOOR

| Item                  | Type, Material, Part #            | Qty * | Size (W x H x D)           | Location, Fastening, Seals, Comments  |
|-----------------------|-----------------------------------|-------|----------------------------|---|
| <b>Frame</b>          | Sliding door, Extruded PVC        | 1     | 2181.225mm x 2044.7mm      | One operable and one stationary panel   |
| <b>Panel</b>          | Lift-out, Extruded PVC            | 2     | 1152.525mm x 2016.125mm    | Stationary panel mechanically fastened to the jamb with clips and #8 x 1 1/4" (4.2mm x 31.75mm) screws. |
| <b>Joinery</b>        | Thermally Welded, Mitered corners |       |                            | Welded corners – temperature 250 Celsius, melt time 30 seconds, weld time 40 seconds                    |
| <b>Installation</b>   | Wood buck                         | 1     | 2232.025mm x 2095.5mm      | Fastened with #8 x 3 1/2" (4.2mm x 88.9mm) screws (10 per jamb), perimeter sealed w/ silicone sealant   |
| <b>Glazing</b>        | Double-pane IGU, Tempered glass   |       | Overall thickness: 25.4 mm | Glass thickness: 4 mm   |
| <b>Glazing Method</b> | Laid in glazed                    |       |                            |   |
|                       | Glazing tape, foam                | 8     | 60.325mm x 1.5875mm        | Exterior perimeter  |
|                       | Corner Bead, sealant              | 0     |                            | Interior and exterior perimeter   |
|                       | Glazing stops                     | 8     | 9.525mm x 19.05mm          | Interior perimeter  |
| <b>Thermal Break</b>  | None                              |       |                            |   |
| <b>Reinforcement</b>  | Shape section                     | 8     | 38.1mm x 38.1mm            | Thickness 3.175mm   |
| <b>Weatherstrips</b>  |                                   |       |                            |   |
| Panel                 | Pile with high fin                | 4     | Height: 4.572mm            | Meeting stiles  |
|                       | Pile                              | 4     | Height: 4.572 mm           | Operable Panel  |
| Frame                 | Pile                              | 4     | Height: 5.588 mm           | Jambs   |
| Screen                | Pile                              | 1     | Height: 15.875 mm          | Meeting stiles  |
| <b>Drainage</b>       |                                   |       |                            |   |
| Sash                  | Drain slots/ Holes                | 4     | Diameter: 6.35mm           | Glazing cavity  |
| Frame                 | Drain slots                       | 2     | Diameter: 25.4mm           | Sill, ends of panel support interior face   |
| <b>Add-Ons</b>        |                                   |       |                            |   |
| Panel Support         | Extruded PVC                      | 1     | Length: 1104.9mm           | Sill, exterior channel  |
| Screen track          | Snap-On/In, Aluminum              | 1     | Length: 2124.075mm         | Sill, Screen channel, full length   |
| Roller track          | Snap-On/In, Aluminum              | 1     | Length: 2124.075           | Sill, interior channel, full length   |
| Sill Cap              | Snap-On/In, Aluminum              | 0     |                            | Sill, exterior channel  |



The above descriptions were provided by the manufacturer. Items and/or material properties were verified by CAN-BEST for general conformity only.

\* Quantity is total unless otherwise specified

**TEST SAMPLE DESCRIPTION** Model: "Amalfi" SLIDING DOOR

| Item            | Type, Material, Part #            | Qty * | Size (W x H x D)           | Location, Fastening, Seals, Comments  |
|-----------------|-----------------------------------|-------|----------------------------|---|
| Interlocks      | Snap-On/In, Extruded PVC          | 2     | 1952.625mm                 | snap on no screw  |
| Travel Limiter  | Extruded PVC                      |       |                            | Ends of stationary jambs  |
| <b>Hardware</b> |                                   |       |                            |   |
| Lock            | Three-Point Lock, Metal           | 1     | Length: 1111.25mm          | Lock stile, center, mechanically fastened with 4.2mm x 19.05mm screws   |
| Handle          | Metal                             | 1     | Length: 328.6125           | Pull stile, center, fastened with 4.2mm x 53.975mm screws and 4.2mm x 25.4mm  |
| Keepers         | 3 points engagement system, metal | 1     | Length: 1069.975mm         | Lock jamb, interior channel, center, fastened with 4.2mm x 63.5mm screws  |
| Rollers         | Nylon                             | 2     | Length: 168.275mm          | End of bottom rail, operable panel, each fastened with xxx screws   |
| <b>Screen</b>   |                                   |       | (1071.5752mm x 1978.025mm) | Half Screen, Exterior, supported on 4 sides, corner key:, Frame: Extruded Aluminum, Mesh: Fiberglass, Spline: Round |
| Rollers         | Plastic                           | 2     | Length: 123.825mm          | Ends of top and bottom rails  |
| Lock            | Plastic                           | 1     | Length: 130.175mm          | Operable stile, center, fastened with 3.3mm x 19.05mm screws  |



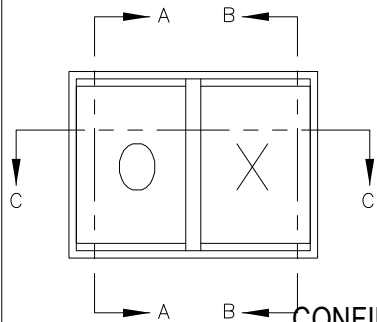
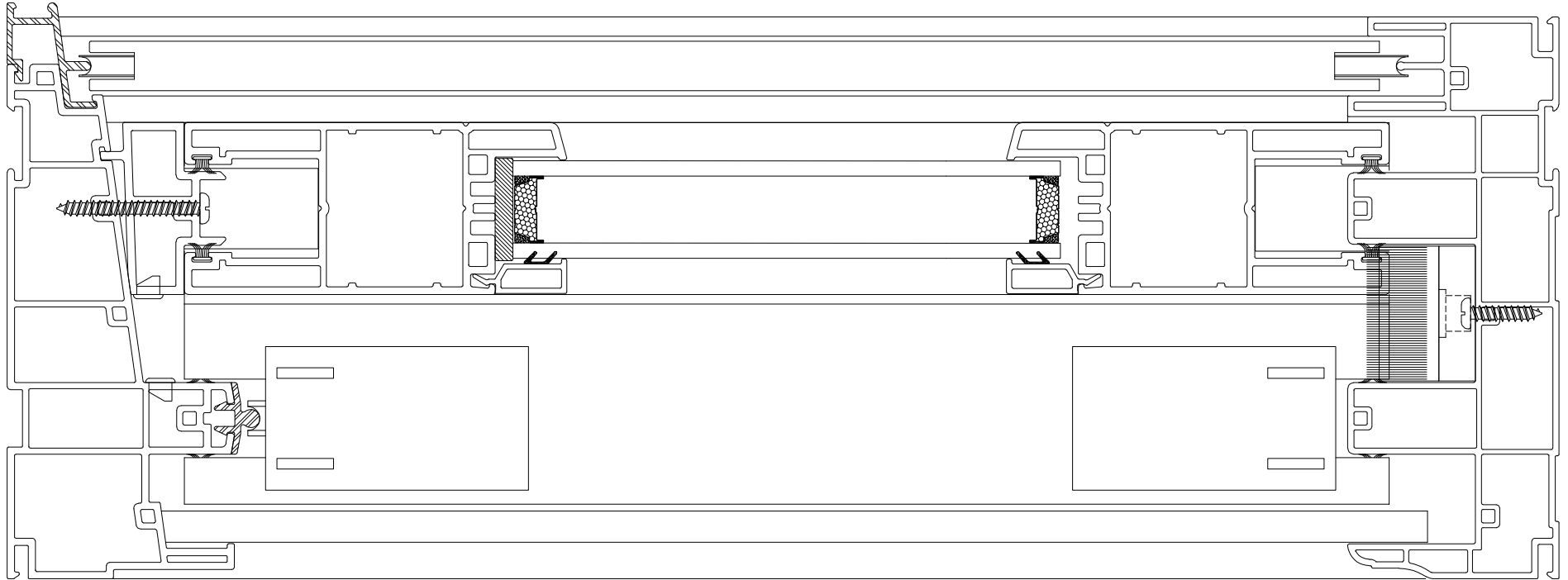
The above descriptions were provided by the manufacturer. Items and/or material properties were verified by CAN-BEST for general conformity only.

\* Quantity is total unless otherwise specified

| RevNo | Revision note | Date | Signature | Checked |
|-------|---------------|------|-----------|---------|
|-------|---------------|------|-----------|---------|

SILL

HEAD



|   |   |
|---|---|
|  <b>Canadian Building Envelope<br/>Science and Technology</b><br><b>CAN-BEST</b><br>This document forms part of: |   |
| Report No.:   | L24-926-6789  |
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| Date:   | FEBRUARY 06, 2024   |

VERTICAL SECTION A-A

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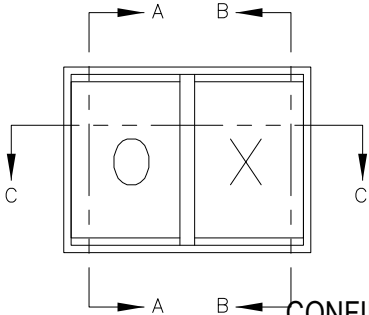
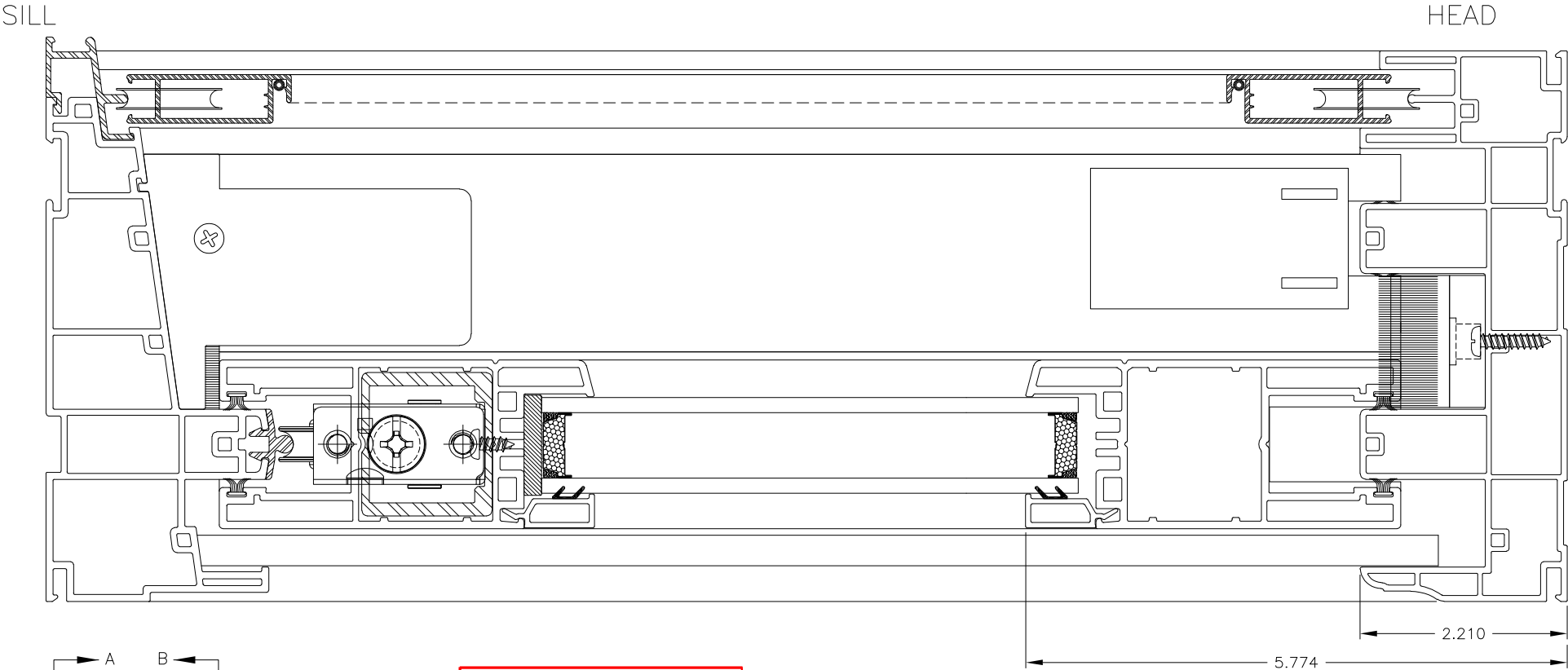
Title:  
AMALFI PATIO DOOR  
Customer:  
VISTA PATIO DOOR

|                    |                  |                  |            |
|--------------------|------------------|------------------|------------|
| Scale:<br>FULL     | Designed By:     | Dwg. No.:        | Die No.:   |
| Date:<br>1-SEPT-23 | Drawn By:<br>CDF | Material:<br>PVC | Prog .No.: |

**vinylcraft**  
extrusions



| RevNo | Revision note | Date | Signature | Checked |
|-------|---------------|------|-----------|---------|
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VERTICAL SECTION B-B

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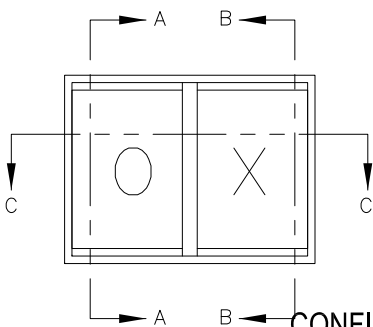
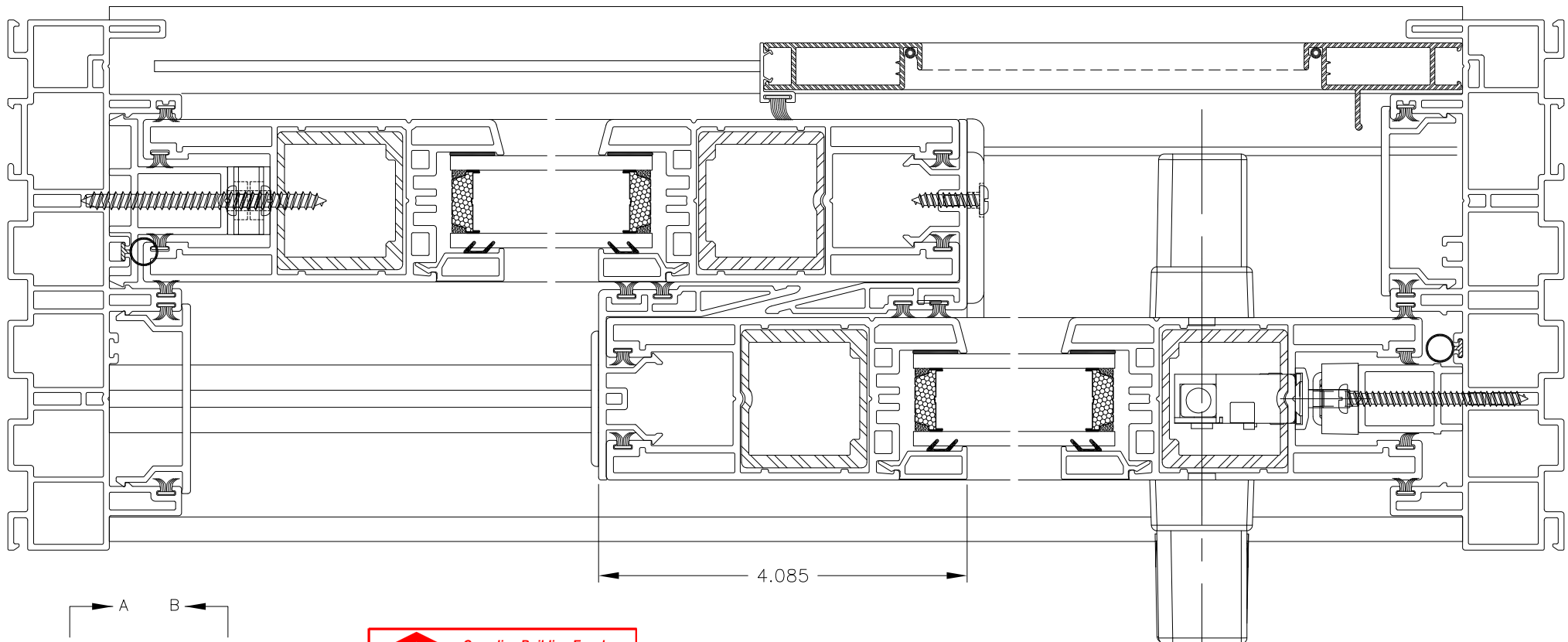
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|                               |                    |   |                  |            |
|-------------------------------|--------------------|---|------------------|------------|
| Title:<br>AMALFI PATIO DOOR   | Scale:<br>FULL     | Designed By:  | Dwg. No.:        | Die No.:   |
|                               | Date:<br>1-SEPT-23 | Drawn By:<br>CDF  | Material:<br>PVC | Prog .No.: |
| Customer:<br>VISTA PATIO DOOR |                    |  |                  |            |

| RevNo | Revision note | Date | Signature | Checked |
|-------|---------------|------|-----------|---------|
|-------|---------------|------|-----------|---------|

LEFT JAMB

RIGHT JAMB



|   |   |
|---|---|
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Title: AMALFI PATIO DOOR  
Customer: VISTA PATIO DOOR

|                    |                  |                  |            |
|--------------------|------------------|------------------|------------|
| Scale:<br>FULL     | Designed By:     | Dwg. No.:        | Die No.:   |
| Date:<br>1-SEPT-23 | Drawn By:<br>CDF | Material:<br>PVC | Prog .No.: |

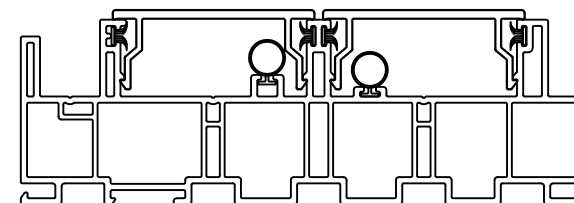
**vinylraft**  
extrusions

## Bill of Material

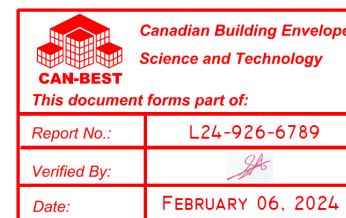
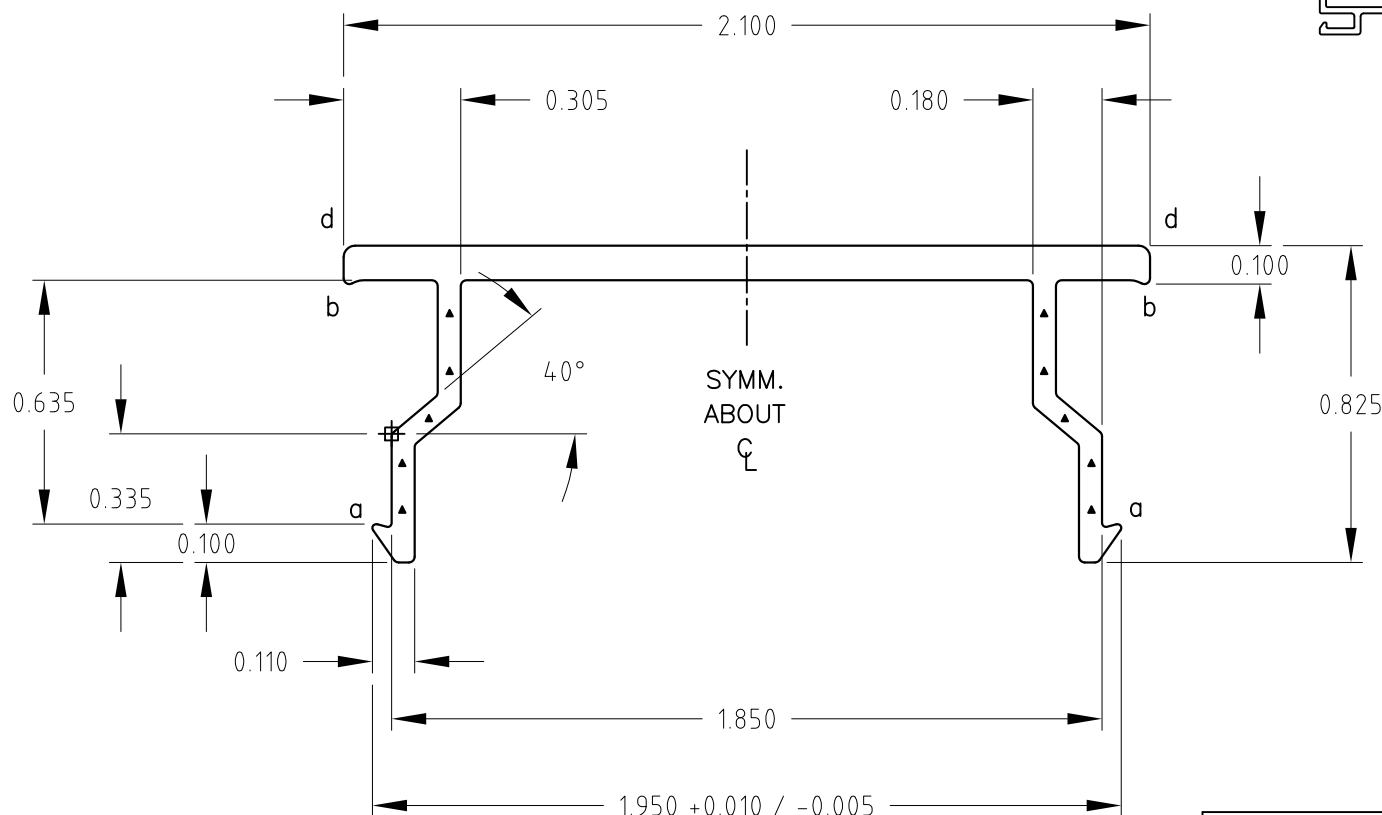
| PART NUMBER       | PART NAME              |
|-------------------|------------------------|
| V412              | JAMB                   |
| V457              | HEDAR                  |
| V411              | SILL                   |
| V838              | FIX PANEL SUPPORT      |
| V941              | Jamb Adaptor           |
| V936              | INTERLOCK              |
| V058              | SASH                   |
| 5638,SH           | ALUMINUM REINFORCEMENT |
| D939              | JAMB CAP               |
| VC916             | Glass stop             |
| SP3               | Robosto screen         |
| Jamb Weatherstrip | 180 Backing / pile 250 |
| sash weatherstrip | 180 backing / 180 pile |

|   |   |
|---|---|
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| Report No.:   | L24-926-6789  |
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| Date:   | FEBRUARY 06, 2024   |

| RevNo | Revision note | Date | Signature | Checked |
|-------|---------------|------|-----------|---------|
|-------|---------------|------|-----------|---------|



CHECK WITH V475  
FOR A SNUG FIT



## NOTES:

| WALL THICKNESS: | RADII: UNMRAKED 0.015 |               |
|-----------------|-----------------------|---------------|
| EXT. 0.090      | a 0.010               | f FULL        |
| INT. ----       | b 0.015               | g ----        |
| ▲ 0.060         | c 0.020               | h ----        |
| • ----          | d 0.030               | i ----        |
|                 | e ----                | m MINIMUM RAD |

| TOLERANCES:                                | SECTION DETAILS:        |
|--|-------------------------|
| DIMENSIONS: +/- 0.015 UNLESS SPECIFIED     | AREA (RIGID): ----      |
| WALL THICKNESS: +/- 0.005 UNLESS SPECIFIED | AREA (FLEX): N/A        |
| COMPONENT WEIGHT: +/- 5%                   | WIEGHT (TOTAL): ----    |
| ☼ INTERSECTION                             | MATERIAL:               |
| ☐ CRITICAL +/- 0.010                       | HATCHED AREA: RIGID PVC |
|  | FILLED AREA: FLEX PVC   |

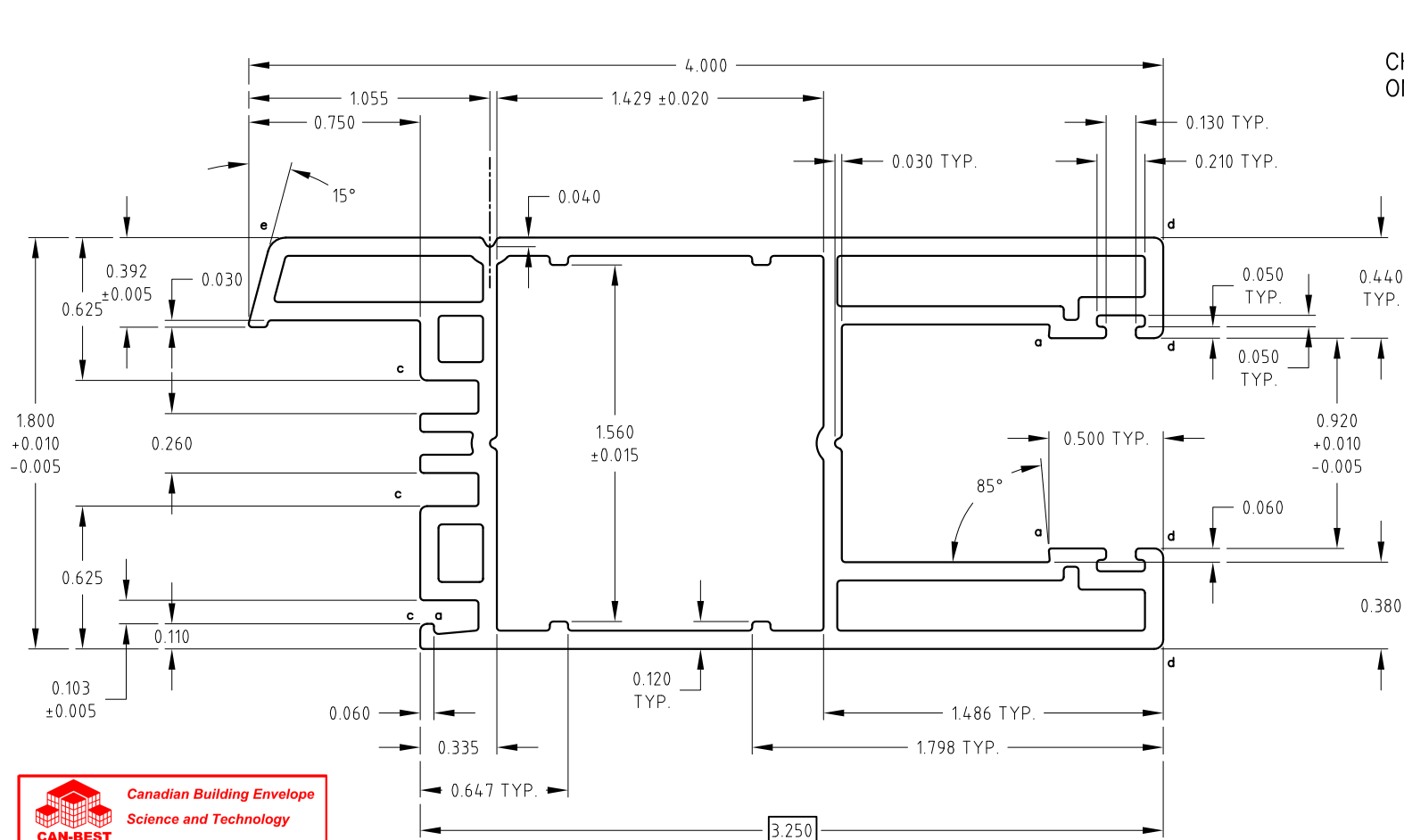
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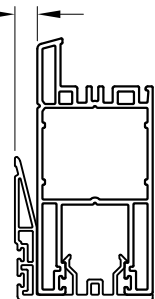
|                    |                    |                     |                  |            |
|--------------------|--------------------|---------------------|------------------|------------|
| Title:<br>JAMB CAP | Scale:<br>2:1      | Designed By:<br>CDF | Dwg. No.:        | Die No.:   |
| Customer:          | Date:<br>8-SEPT-20 | Drawn By:<br>CDF    | Material:<br>PVC | Prog .No.: |

**vinylcraft**  
— extrusions —

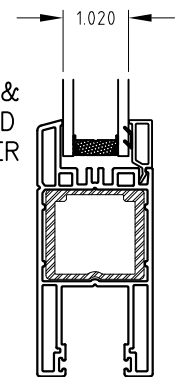
| RevNo | Revision note | Date | Signature | Checked |
|-------|---------------|------|-----------|---------|
|-------|---------------|------|-----------|---------|



CHECK WITH V936  
ON BOTH SIDES



CHECK WITH V916 &  
CUSTOMER SUPPLIED  
ALUMINUM STIFFENER



NOTES:

| WALL THICKNESS: |  | RADI: UNMRAKED 0.015 |               |
|-----------------|--|----------------------|---------------|
| EXT. 0.080      |  | a 0.010              | f FULL        |
| INT. 0.060      |  | b 0.015              | g ---         |
| ▲ ---           |  | c 0.030              | h ---         |
|                 |  | d 0.040              | i ---         |
|                 |  | e 0.080              | m MINIMUM RAD |

## TOLERANCES:

DIMENSIONS: +/- 0.015 UNLESS SPECIFIED  
WALL THICKNESS: +/- 0.005 UNLESS SPECIFIED  
COMPONENT WEIGHT: +/- 5%  
⊕ INTERSECTION  
□ CRITICAL +/- 0.010



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Title: PATIO DOOR SASH

Customer:

Scale:  
2:1

Date:  
22-MAR-21

Designed By:  
CDF

Drawn By:  
CDF

Dwg. No.:

Material:  
PVC

Die No.:  
V058

Prog .No.:

**vinyl**Craft  
— extrusions —

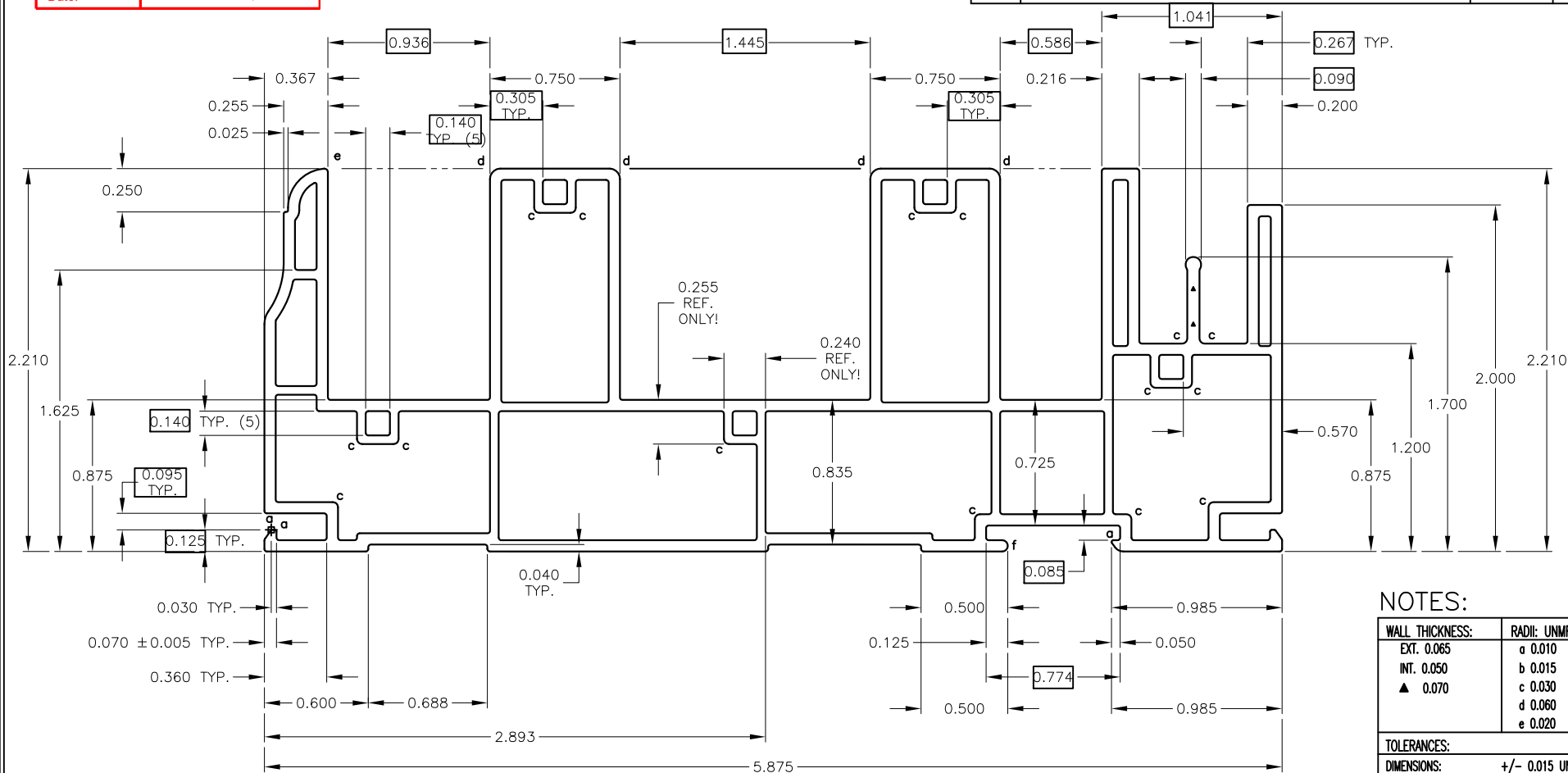


Report No.: L24-926-6789

Verified By: 

Date: FEBRUARY 06, 2024

| RevNo | Revision note          | Date       | Signature | Checked |
|-------|------------------------|------------|-----------|---------|
| 1     | REDUCED LEG BY 0.037"  | 27-JUNE-17 |           |         |
| 2     | LEG REMOVED COMPLETELY | 14-OCT-20  |           |         |
| 3     | INTERIOR STEP REMOVED  | 3-MAY-21   |           |         |



NOTES:

|  |                     |               |
|--|---------------------|---------------|
| WALL THICKNESS:                            | RADI: UNRAKED 0.015 |               |
| EXT. 0.065                                 | a 0.010             | f FULL        |
| INT. 0.050                                 | b 0.015             | g ----        |
| ▲ 0.070                                    | c 0.030             | h ----        |
|  | d 0.060             | i ----        |
|  | e 0.020             | m MINIMUM RAD |
| TOLERANCES:                                |                     |               |
| DIMENSIONS: +/- 0.015 UNLESS SPECIFIED     |                     |               |
| WALL THICKNESS: +/- 0.005 UNLESS SPECIFIED |                     |               |
| COMPONENT WEIGHT: +/- 5%                   |                     |               |
| ✱ INTERSECTION                             |                     |               |
|  | CRITICAL +/- 0.005  |               |

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Title: PATIO DOOR HEADER

Customer:

Scale:  
FULL

Date:  
4-SEPT-13

Designed By:

Drawn By:  
CDF

Dwg. No.:  
XXXX

Material:  
PVC

Die No.:  
V457

Prog .No.:  
XXXXX

**vinyl**Craft  
— extrusions —



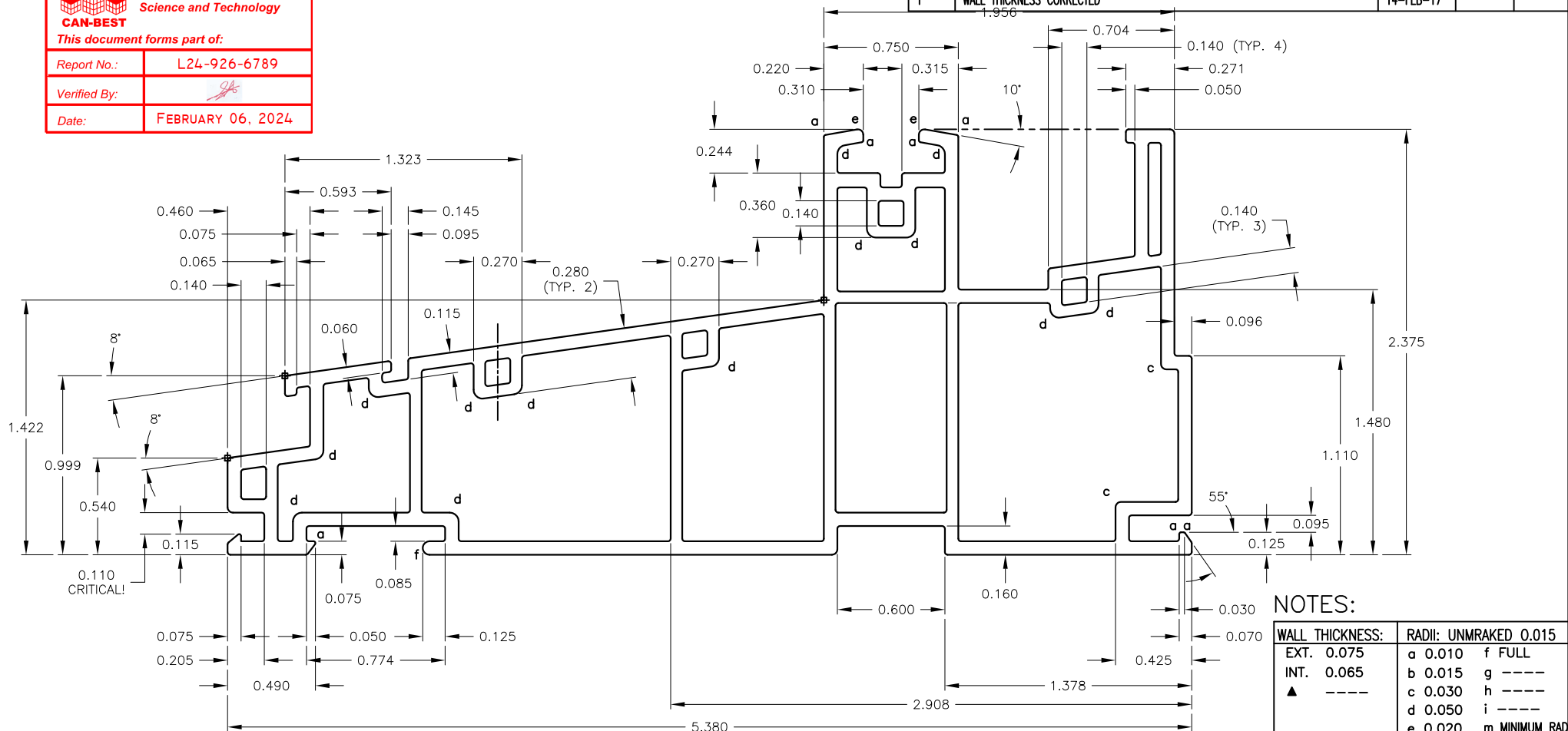
**This document forms part of:**

Report No.: L24-926-6789

Verified By: 


|       |                   |
|-------|-------------------|
| Date: | FEBRUARY 06, 2024 |
|-------|-------------------|

| RevNo | Revision note            | Date      | Signature | Checked |
|-------|--------------------------|-----------|-----------|---------|
| 1     | WALL THICKNESS CORRECTED | 14-FEB-17 |           |         |



NOTES:

|                 |  |                       |               |
|-----------------|--|-----------------------|---------------|
| WALL THICKNESS: |  | RADII: UNMRAKED 0.015 |               |
| EXT. 0.075      |  | a 0.010               | f FULL        |
| INT. 0.065      |  | b 0.015               | g ----        |
| ▲ ----          |  | c 0.030               | h ----        |
|                 |  | d 0.050               | i ----        |
|                 |  | e 0.020               | m MINIMUM RAD |

|   |                            |                  |           |
|---|----------------------------|------------------|-----------|
| TOLERANCES:   |                            | SECTION DETAILS: |           |
| DIMENSIONS:   | +/- 0.015 UNLESS SPECIFIED | AREA (RIGID):    | ----      |
| WALL THICKNESS:   | +/- 0.005 UNLESS SPECIFIED | AREA (FLEX):     | ----      |
| COMPONENT WEIGHT:   | +/- 5%                     | WIEGHT (TOTAL):  | ----      |
| INTERSECTION  |                            | MATERIAL:        | ----      |
|  | CRITICAL +/- 0.005         | HATCHED AREA:    | RIGID PVC |
|   |                            | FILLED AREA:     | FLEX PVC  |

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Title: PATIO DOOR SILL

Customer:

Scale:  
2:1

Date:  
16-AUG-16

Designed By:  
CDF

Drawn By:  
CDF

Dwg. No.:

1

**Material:**  
PVC

Die No.:

V476

Prog .No.:

**vinyl**Craft  
— extrusions —



Canadian Building Envelope  
Science and Technology

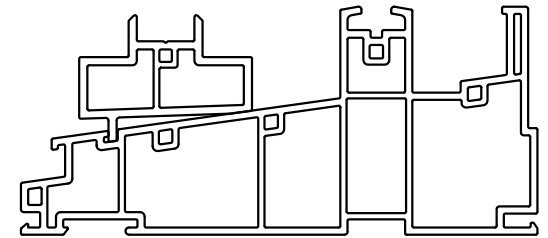
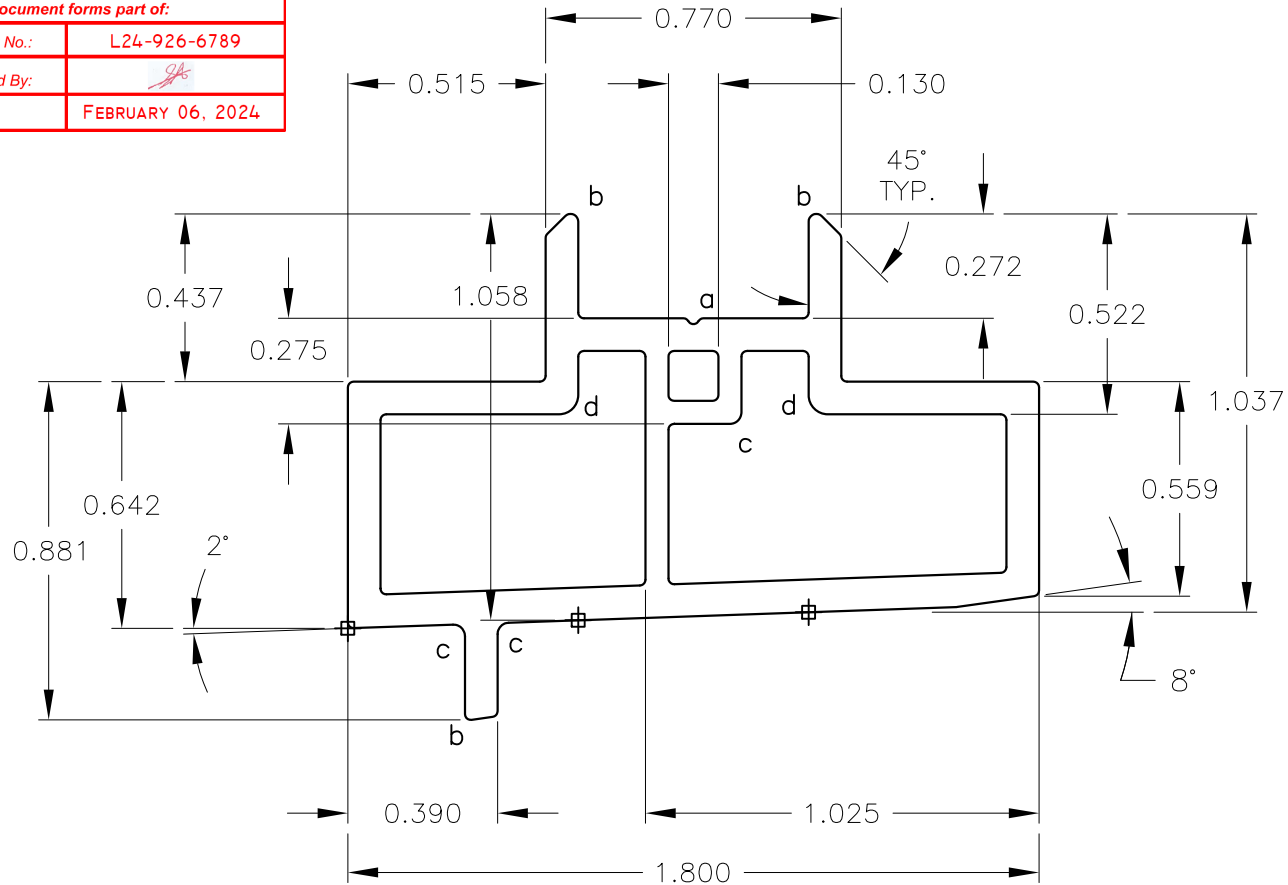
This document forms part of:

Report No.: L24-926-6789

Verified By:

Date: FEBRUARY 06, 2024

| RevNo | Revision note  | Date      | Signature | Checked |
|-------|--|-----------|-----------|---------|
| 1     | DIMENSION ADDED FOR CHECKING CLEARANCE WITH PUNCH TOOL | 13-MAY-19 |           |         |



CHECK FIT WITH V476

## NOTES:

| WALL THICKNESS: | RADII: UNMRAKED 0.015 |
|-----------------|-----------------------|
| EXT. 0.085      | a 0.015 f FULL        |
| INT. 0.060      | b 0.020 g ----        |
| ▲ ----          | c 0.030 h ----        |
|                 | d 0.050 i ----        |
|                 | e ---- m MINIMUM RAD  |

## TOLERANCES:

|                   |                            |
|-------------------|----------------------------|
| DIMENSIONS:       | +/- 0.015 UNLESS SPECIFIED |
| WALL THICKNESS:   | +/- 0.005 UNLESS SPECIFIED |
| COMPONENT WEIGHT: | +/- 5%                     |
| ⊕                 | INTERSECTION               |
| □                 | CRITICAL +/- 0.005         |

## SECTION DETAILS:

|                 |           |
|-----------------|-----------|
| AREA (RIGID):   | ----      |
| AREA (FLEX):    | ----      |
| WIEGHT (TOTAL): | ----      |
| MATERIAL:       |           |
| HATCHED AREA:   | RIGID PVC |
| FILLED AREA:    | FLEX PVC  |

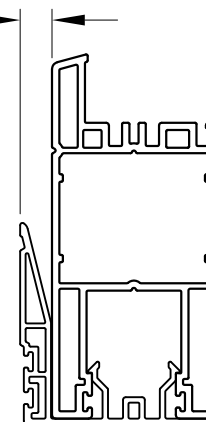
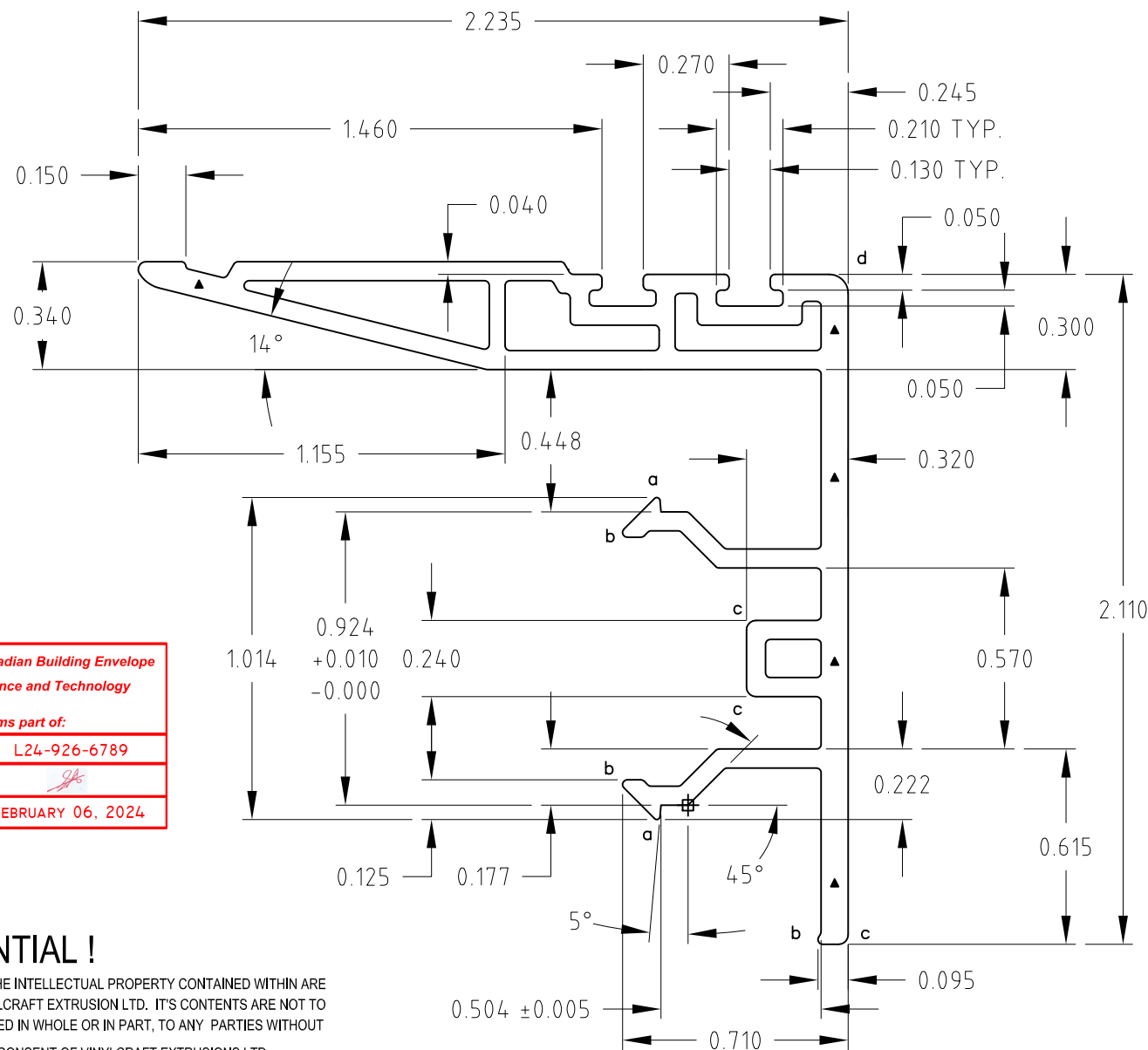
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|                               |                    |                     |                  |                  |  |
|-------------------------------|--------------------|---------------------|------------------|------------------|--|
| Title:<br>FIXED PANEL SUPPORT | Scale:<br>2:1      | Designed By:<br>CDF | Dwg. No.:        | Die No.:<br>V838 |  |
| Customer:                     | Date:<br>16-NOV-16 | Drawn By:<br>CDF    | Material:<br>PVC | Prog .No.:       |  |



| RevNo | Revision note | Date | Signature | Checked |
|-------|---------------|------|-----------|---------|
|-------|---------------|------|-----------|---------|



CHECK WITH V058  
ON BOTH SIDES



NOTES:


|                 |                       |               |
|-----------------|-----------------------|---------------|
| WALL THICKNESS: | RADII: UNMRAKED 0.015 |               |
| EXT. 0.060      | a 0.010               | f FULL        |
| INT. 0.050      | b 0.015               | g ----        |
| ▲ 0.080         | c 0.030               | h ----        |
|                 | d 0.060               | i ----        |
|                 | e ----                | m MINIMUM RAD |

## TOLERANCES:

DIMENSIONS: +/- 0.015 UNLESS SPECIFIED  
WALL THICKNESS: +/- 0.005 UNLESS SPECIFIED  
COMPONENT WEIGHT: +/- 5%  
⊕ INTERSECTION  
CRITICAL +/- 0.010

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|                     |                    |                     |                  |                  |   |
|---------------------|--------------------|---------------------|------------------|------------------|---|
| Title:<br>INTERLOCK | Scale:<br>2:1      | Designed By:<br>CDF | Dwg. No.:        | Die No.:<br>V936 |  |
| Customer:           | Date:<br>23-MAR-21 | Drawn By:<br>CDF    | Material:<br>PVC | Prog .No.:       |   |

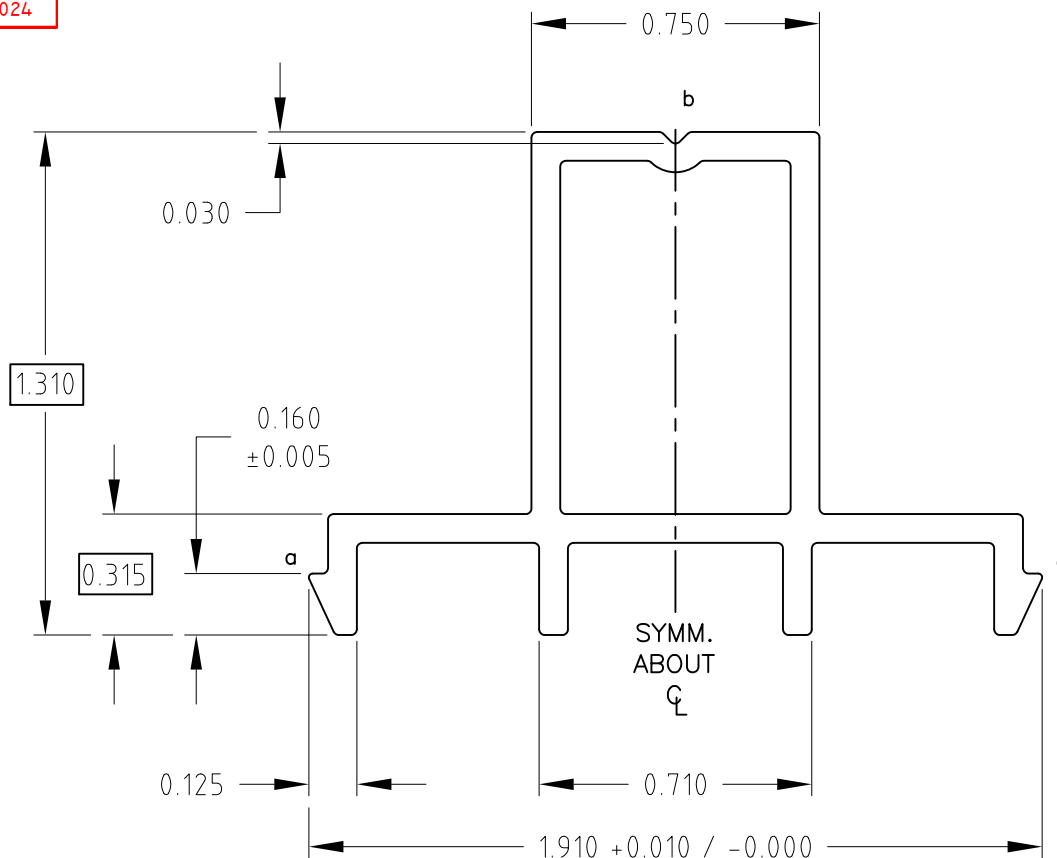


***This document forms part of:***

|             |              |
|-------------|--------------|
| Report No.: | L24-926-6789 |
|-------------|--------------|

Verified By: 

Date: FEBRUARY 06, 2024



CHECK WITH V475 & V483  
ON ALL TRACKS – EASY FIT

NOTES:

|                 |                       |               |
|-----------------|-----------------------|---------------|
| WALL THICKNESS: | RADII: UNMRAKED 0.015 |               |
| EXT. 0.075      | a 0.010               | f FULL        |
| INT. ----       | b 0.020               | g ---         |
| ▲ ----          | c 0.030               | h ---         |
|                 | d 0.060               | i ----        |
|                 | e ----                | m MINIMUM RAD |

## TOLERANCES:

|                   |                            |
|-------------------|----------------------------|
| DIMENSIONS:       | +/- 0.015 UNLESS SPECIFIED |
| WALL THICKNESS:   | +/- 0.005 UNLESS SPECIFIED |
| COMPONENT WEIGHT: | +/- 5%                     |
| ⊕                 | INTERSECTION               |
| □                 | CRITICAL +/- 0.010         |

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Title: JAMB ADAPTOR

Customer:

Scale:  
2:1

Date:  
23-MAR-21

Designed By:  
CDF

Drawn By:  
CDF

Dwg. No.:

Material:  
PVC

Die No.:  
V941

Prog .No.:

**vinylCrafft**  
— extrusions —