

**CLIENT:** HIDEAWAY INCORPORATED  
 8936 146 St.  
 Edmonton, AB  
 T5R 0V9 Canada

<b>Evaluation Report No: T1353-8cEvalR1</b>	<b>Revision Date: August 22, 2022</b>
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**PRODUCT ID:** Hideaway Inc. Privacy Screens (Maui, Breeze, Moderna, Hexx, Horizon & Solid) systems.

**AUTHORIZATION:** QAI proposal 22JL06221r1 dated June 23, 2022 accepted by signed quote dated June 28, 2022.

**EVALUATION REQUESTED:** Evaluation of above listed screen systems for compliance with:

- 2020 National Building Code of Canada (NBC) Section 4.1.5.14, Loads on Guards, Sections 3.3.1.18 and 9.8.8.5 for Maximum Opening Size Limitations, and Section 9.8.8.6 Climbability.
- 2015 National Building Code of Canada (NBC) Section 4.1.5.14 Loads on Guards, Sections 3.3.1.18 and 9.8.8.5 for Maximum Opening Size Limitations, and Section 9.8.8.6 Climbability.
- 2012 Ontario Building Code (OBC) with 2022 amendments, Section 4.1.5.14 Loads on Guards, Sections 3.3.1.17 and 9.8.8.5 for Maximum Opening Size Limitations, and Section 9.8.8.6 Climbability.

**RESULTS:** Please refer to the table below for screen compliance and restrictions.

Code and Section	Maui	Breeze	Moderna	Hexx	Horizon	Solid
NBC & OBC 4.1.5.14	Complies	Complies	Complies	Complies	Complies	Complies
NBC 3.3.1.18	Complies	Complies	Complies	Complies	Complies	Complies
NBC & OBC 9.8.8.5	Complies	Complies	Complies	Complies	Complies	Complies
NBC & OBC 9.8.8.6	<b>Restricted<sup>1</sup></b>	<b>Restricted<sup>1</sup></b>	<b>Restricted<sup>1</sup></b>	Complies	Complies	Complies
OBC 3.3.1.17	Complies	Complies	Complies	Complies	Complies	Complies

**Note 1:** Hideaway Privacy Screens Maui, Breeze, Moderna systems were found to have openings that potentially support climbability. These products are not eligible for use in applications where protection from a level > 4.2 meters height from an adjacent level exist or is required for structures governed by the NBC 2020. These products shall not be installed in buildings or areas of residential occupancy where guards are required for structures governed by the OBC 2012.

Signed for and on behalf of  
 QAI Laboratories Ltd.



Rob Giona  
 Operations Manager



Matt Lansdowne  
 VP of Operations



## **EVALUATION PURPOSE**

The purpose of this evaluation is to determine if Hideaway Privacy Screen Maui, Breeze, Moderna, Hexx, Horizon, & Solid systems are compliant to the previously listed sections of the 2020 NBC, 2015 NBC and the 2012 OBC (with 2022 amendments) for use as guards.

## **PRODUCT DESCRIPTION**

Hideaway Inc. Privacy Screen systems were evaluated as guardrail systems (screen, posts, brackets and fasteners). Each system comprises of the following:

- 1 (one) laser-cut sheet of 2.54 mm (0.100") thickness 3003 grade aluminum screen (different products have different screen designs) measuring 914 mm (36") width by 1727 mm (68") height.
- 2 (two) mounting posts 76 mm by 76 mm (3" x 3") square posts with a wall thickness of 3.175 mm (0.125"). Each post comes with a mounting base plate welded to one end with an 8.5 mm (0.335") fillet weld for surface mounting. The mounting plates measure 130 mm by 130 mm (5" x 5") with a thickness of 9.5 mm (0.375"). Each plate has 4 (four) 11 mm (0.433") through holes drilled 97 mm (3.8") from adjacent holes.
- 4 (four) screen L-brackets measuring 25.4 mm (1") made from 3.2 mm (0.175") thickness aluminum. Each bracket contains 5 (five) 7.5 mm (0.313") diameter holes spaced 425 mm (16.625") on-center.
- Screen L-brackets are mounted to the privacy screen with five 6.4 mm (1/4") diameter 13 mm (1/2") length machine screws with acorn nut caps at each hole location.
- Screen L-brackets are mounted to posts with five 3.2 mm (1/8") 19 mm (3/4") length self-drilling screws at each hole location.
- A powder coated finish of either white or black is applied to all components.

Hideaway Inc. Privacy Screen's construction details can be found in Appendix E of this report.

This evaluation did not consider anchorage of post to substrate for field application. Hideaway systems were evaluated for load resistance and dimensional compliance to the applicable building codes noted.

QAI has conducted an evaluation of Hideaway Inc. Privacy Screens Branch, River Rock and Dash systems to the requirements of the 2020 NBC, 2015 NBC and 2012 OBC (including 2022 Amendments) as outlined in QAI Test reports T1353-8a dated July 15, 2022, T1353-2AR1 dated June 15, 2021, and T1353-8bR1 dated August 22, 2022 respectively.

The above Hideaway Inc. systems were found to meet requirements for Loads on Guards as outlined in Section 4.1.5.14 of codes listed.

The above Hideaway systems were found to comply with 2012 OBC (including 2022 Amendments) Sections 3.3.1.17 and 9.8.8.5, and 2020 / 2015 NBC Sections 3.3.1.8 and 9.8.8.5 where the Hideaway Inc. Privacy Screen panels are installed with the screen panel installed to ensure clearance between the bottom of panel and substrate at < 100mm (3.9").

QAI determined Hideaway Inc. Privacy Screen systems Branch and River Rock have openings which do not restrict climbability and as such, these products shall not be installed in buildings or areas of residential occupancy where guards are required.

## **REFERENCED REPORTS AND DOCUMENTS**

1. QAI Test Report T1353-2AR1 dated June 15, 2021 (NBC 2015).
2. QAI Test Report T1353-8a dated July 15, 2022 (NBC 2020).
3. QAI Test Report T1353-8bR1 dated August 22, 2022 (OBC 2012 with 2022 amendments).
4. Drawings – Breeze, Branch, Hexx, Horizon, Maui, River Rock & Solid dated June 3, 2022.
5. Drawings – Moderna dated May 27, 2022.
6. Drawings – Mounting Bracket and Assembly dated June 6, 2022.
7. Drawing – Mounting Post dated June 3, 2022.

## **ENGINEERING EVALUATION**

### **Dimensions:**

Hideaway Inc Privacy Screens Breeze, Branch, Hexx, Horizon, Maui, River Rock, Solid and Moderna systems were reviewed and found to have identical product thicknesses, heights, and widths as previously tested Branch, River Rock, and Dash systems.

Review of Hideaway Inc Privacy Screens Maui, Breeze and Moderna systems showed these assemblies to include openings that did not restrict climbability. As such, these products shall not be installed in buildings or areas of residential occupancy where guards are required.

### **Material:**

Hideaway Inc Privacy Screens Breeze, Branch, Hexx, Horizon, Maui, River Rock, Solid and Moderna systems were reviewed and found to be constructed of identical 3003 grade aluminum.

### **Components:**

Hideaway Inc Privacy Screens Breeze, Branch, Hexx, Horizon, Maui, River Rock, Solid and Moderna systems were reviewed and found to be installed with identical mounting posts, identical L-bracketes and hardware as QAI tested Branch, River Rock, and Dash systems.

As Hideaway Inc Privacy Screens Maui, Breeze, Moderna, Hexx, Horizon, and Solid panels are of the same product dimensions of the same 3003 grade aluminum installed with identical mounting posts, L-brackets and hardware as QAI evaluated Hideaway Screens Branch, River Rock, and Dash systems outlined in QAI test report T1352-2AR1 dated June 15, 2021, results of service and factored load testing is considered to apply to these proposed assemblies.

Hideaway Inc Privacy Screens Maui, Breeze, Moderna, Hexx, Horizon, and Solid systems are to be installed to ensure clearance between the bottom of panel and floor substrate maintains < 100mm (3.9”).



Hideaway Inc Privacy Screens Maui, Breeze, Moderna systems were found to have openings that potentially support climbability. Hideaway Inc. Privacy Screen products found to support climbability are not eligible for use in applications where protection from a level > 4.2 meters height from an adjacent level exist or is required for structures governed by the NBC 2020. These products shall not be installed in buildings or areas of residential occupancy where guards are required for structures governed by the OBC 2012.

## **CONCLUSIONS:**

Based on the evaluation of supporting evidence contained in this evaluation, it is the professional opinion of QAI Laboratories that Hideaway Inc Privacy Screens Maui, Breeze, Moderna, Hexx, Horizon and Solid panels meet the Loads on Guards requirements of Section 4.1.5.14 of the 2020 NBC, 2015 NBC and 2012 OBC (with 2022 amendments), Maximum Opening Size Limitations of Section 9.8.8.5 (2020 NBC, 2015 NBC and 2012 OBC with 2022 amendments, Section 3.3.1.17 of OBC 2012 (with 2022 amendments) Section 3.3.1.18 of 2020 NBC and 2015 NBC.

Hideaway Inc Privacy Screens Maui, Breeze and Moderna style screens were found to not comply with Climbability requirements of Section 9.8.8.6 of 2020 NBC, 2015 NBC and 2012 OBC (with 2022 amendments). Hideaway Inc. Privacy Screen products found to support climbability are not eligible for use in applications where protection from a level > 4.2 meters height from an adjacent level exist or is required for structures governed by the NBC 2020. These products shall not be installed in buildings or areas of residential occupancy where guards are required for structures governed by the OBC 2012.

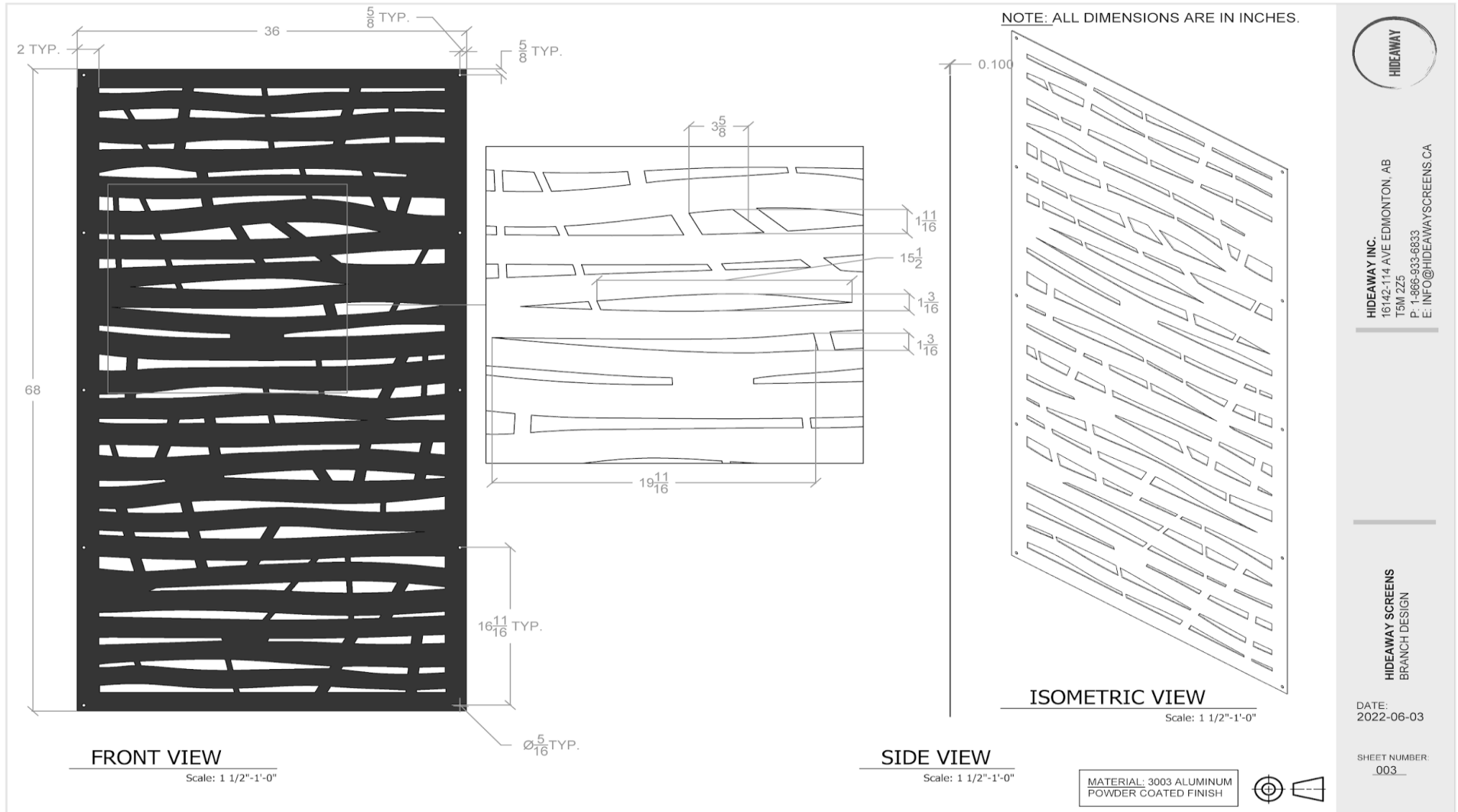
## **DECISION RULE:**

Unless specifically stated or identified otherwise, QAI has utilized a simple acceptance rule to make conformity decisions on testing results contained in this report, as applicable.

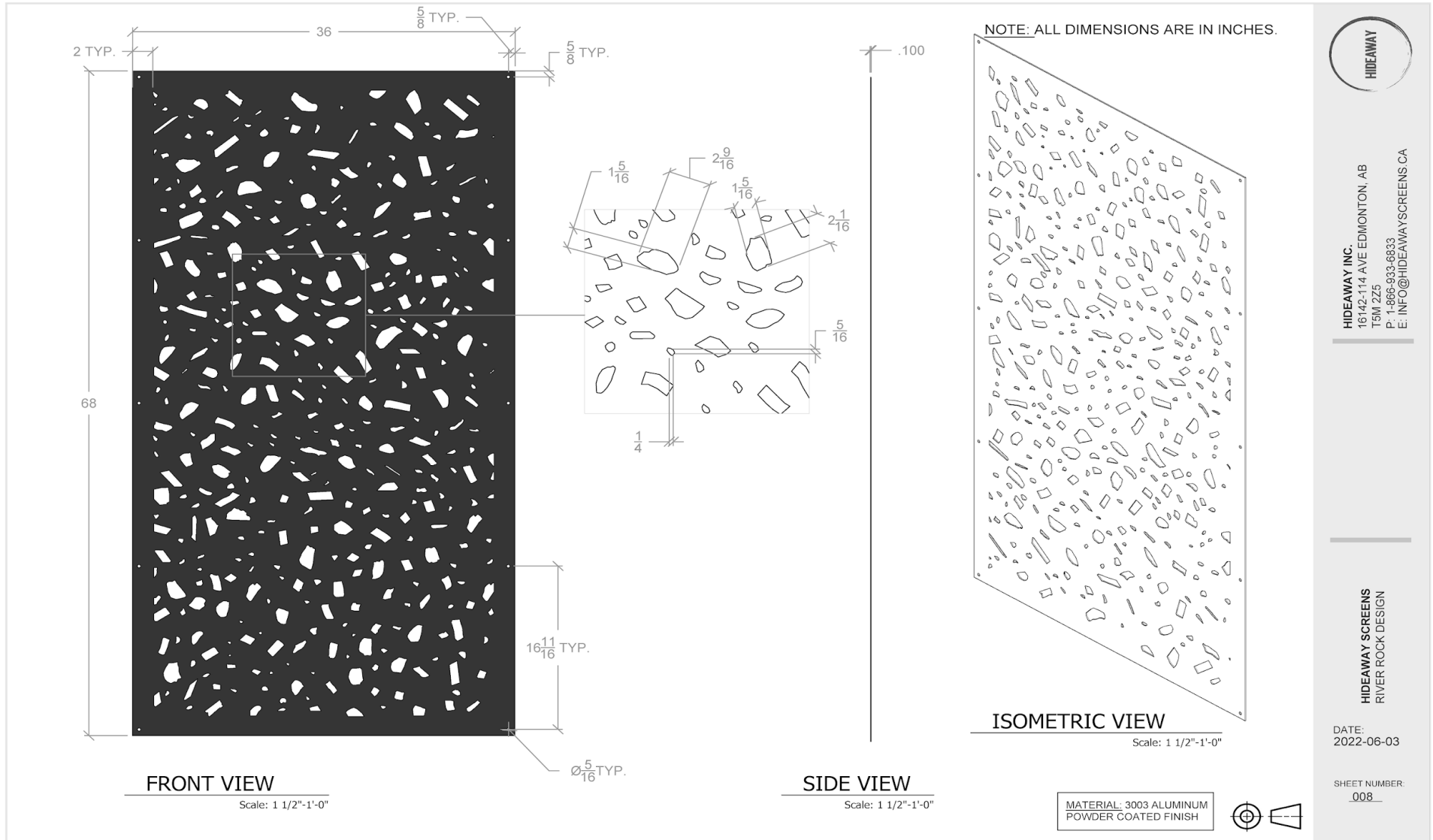
## **APPENDICES:**

- Appendix A - Hideaway Screens Branch River Rock and Dash Test Samples Product Drawings
- Appendix B - Hideaway Screens Breeze, Hexx, Horizon, Maui, Moderna, and Solid Product Drawings
- Appendix C – Mounting Brackets for Hideaway Screen Products
- Appendix D – Mounting Posts for Hideaway Screen Products

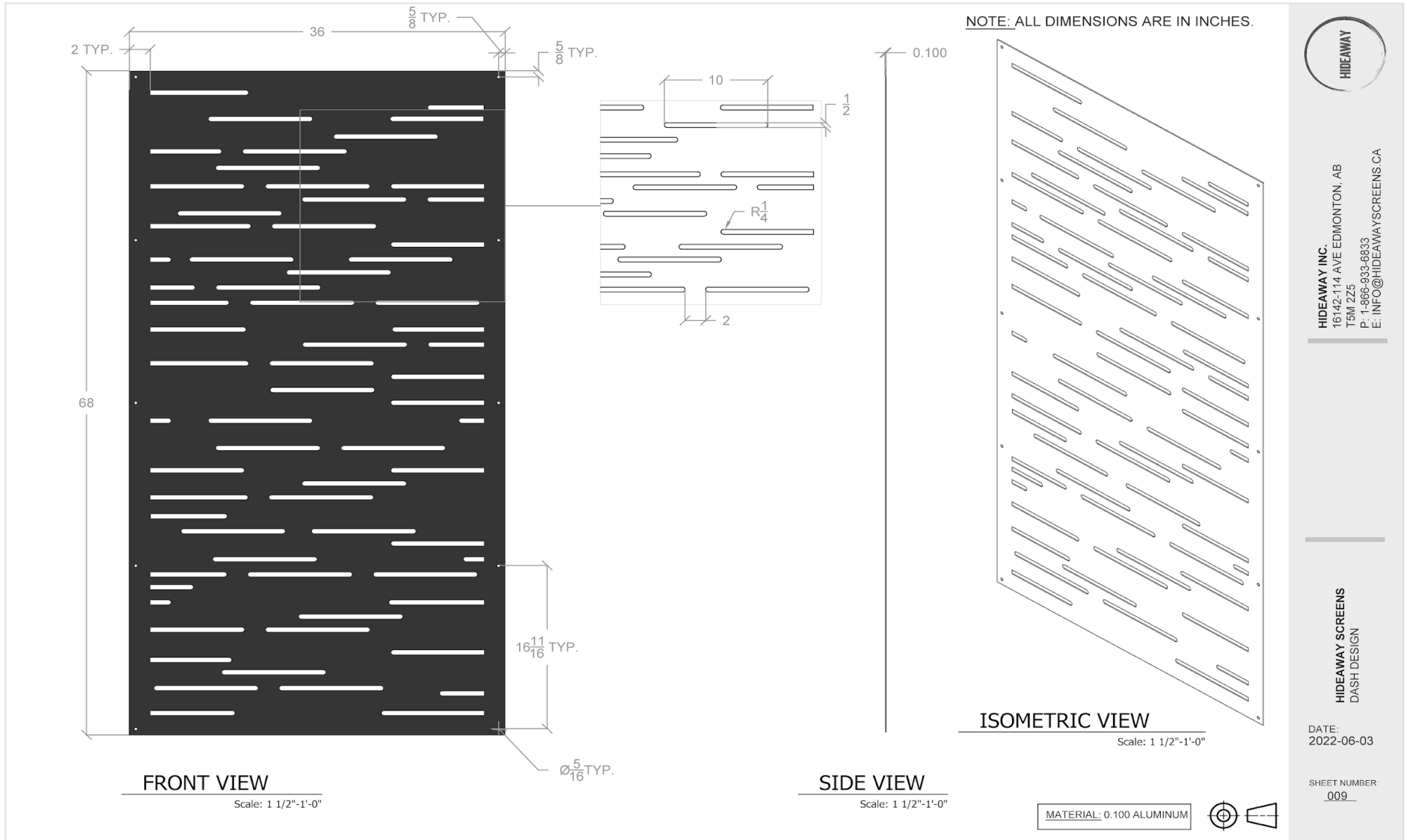
Appendix A - Hideaway Inc Privacy Screens Branch, River Rock and Dash QAI Tested Product Drawings



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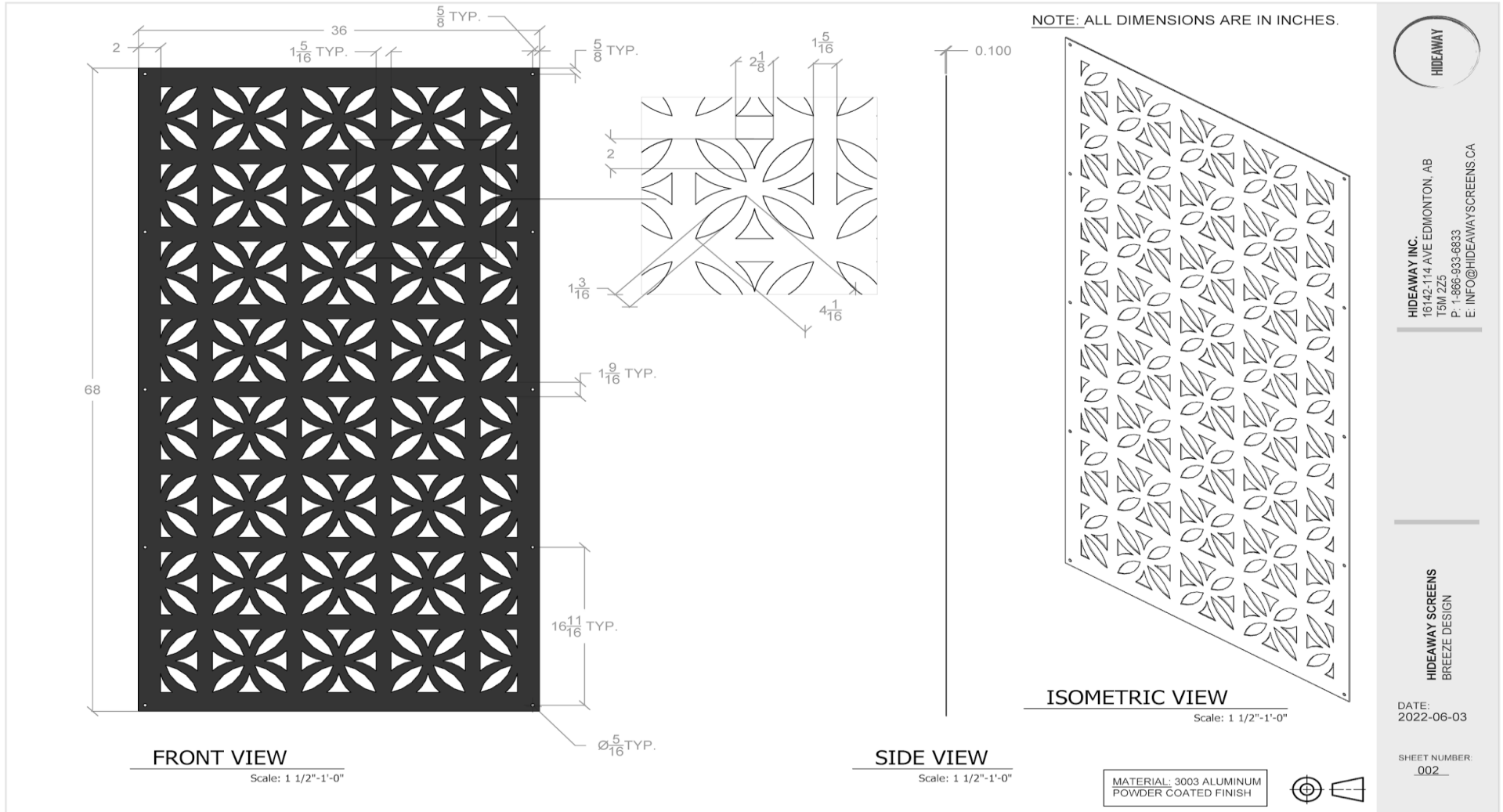
**HIDEAWAY SCREENS**  
 DASH DESIGN

DATE:  
 2022-06-03

SHEET NUMBER:  
 009

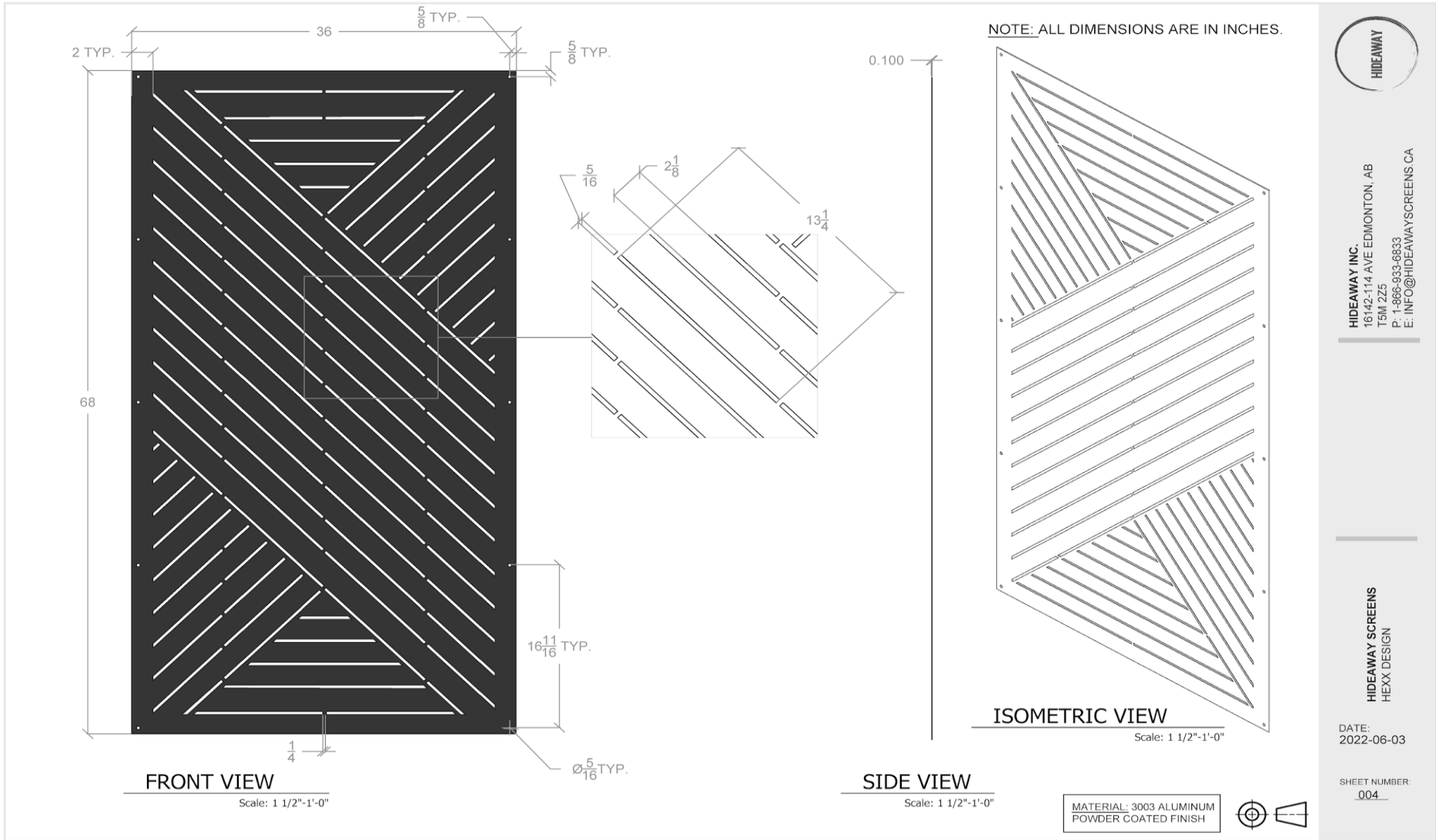
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Appendix B - Hideaway Inc Privacy Screens Breeze, Hexx, Horizon, Maui, Moderna, and Solid Product Drawings



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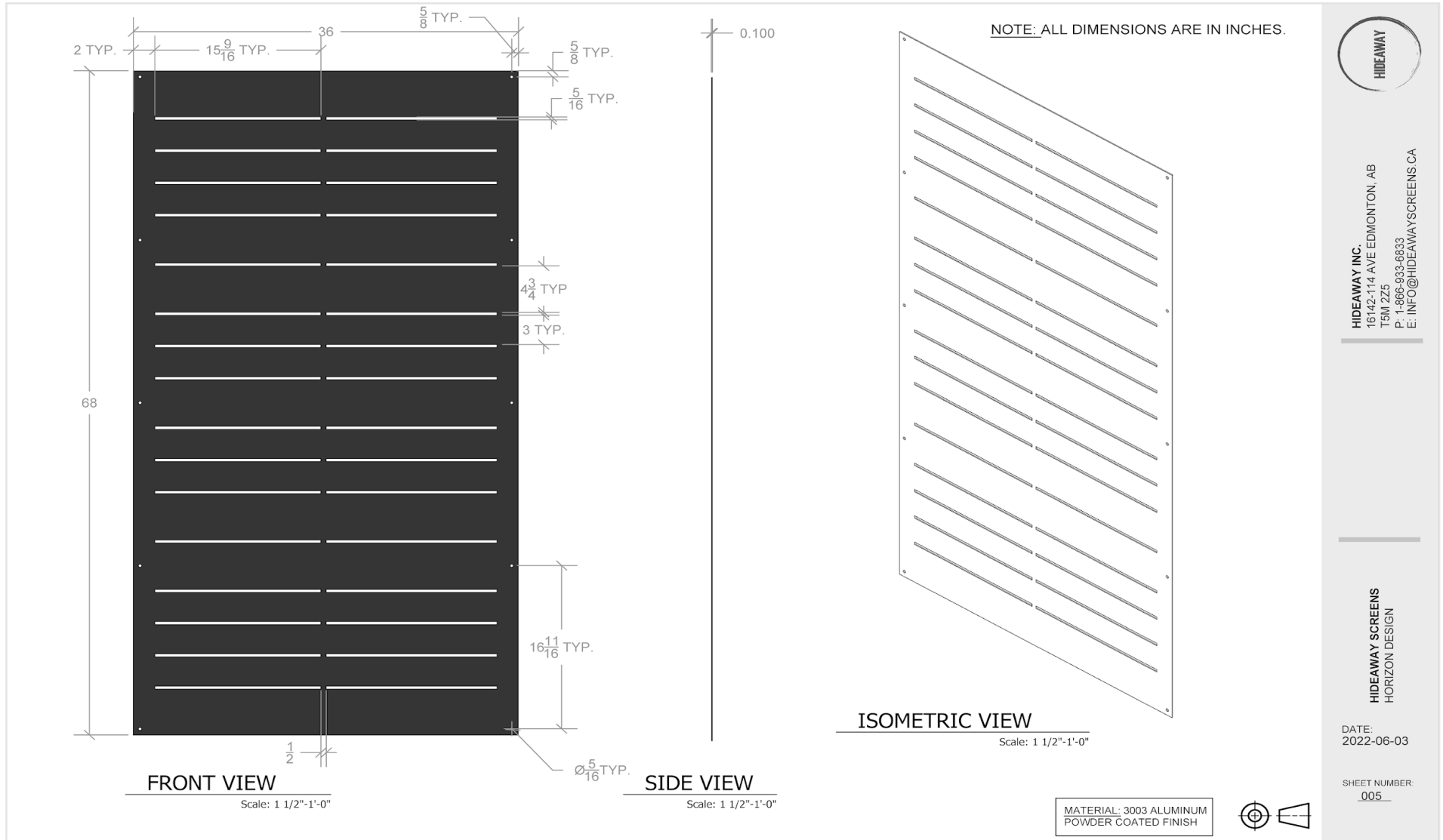
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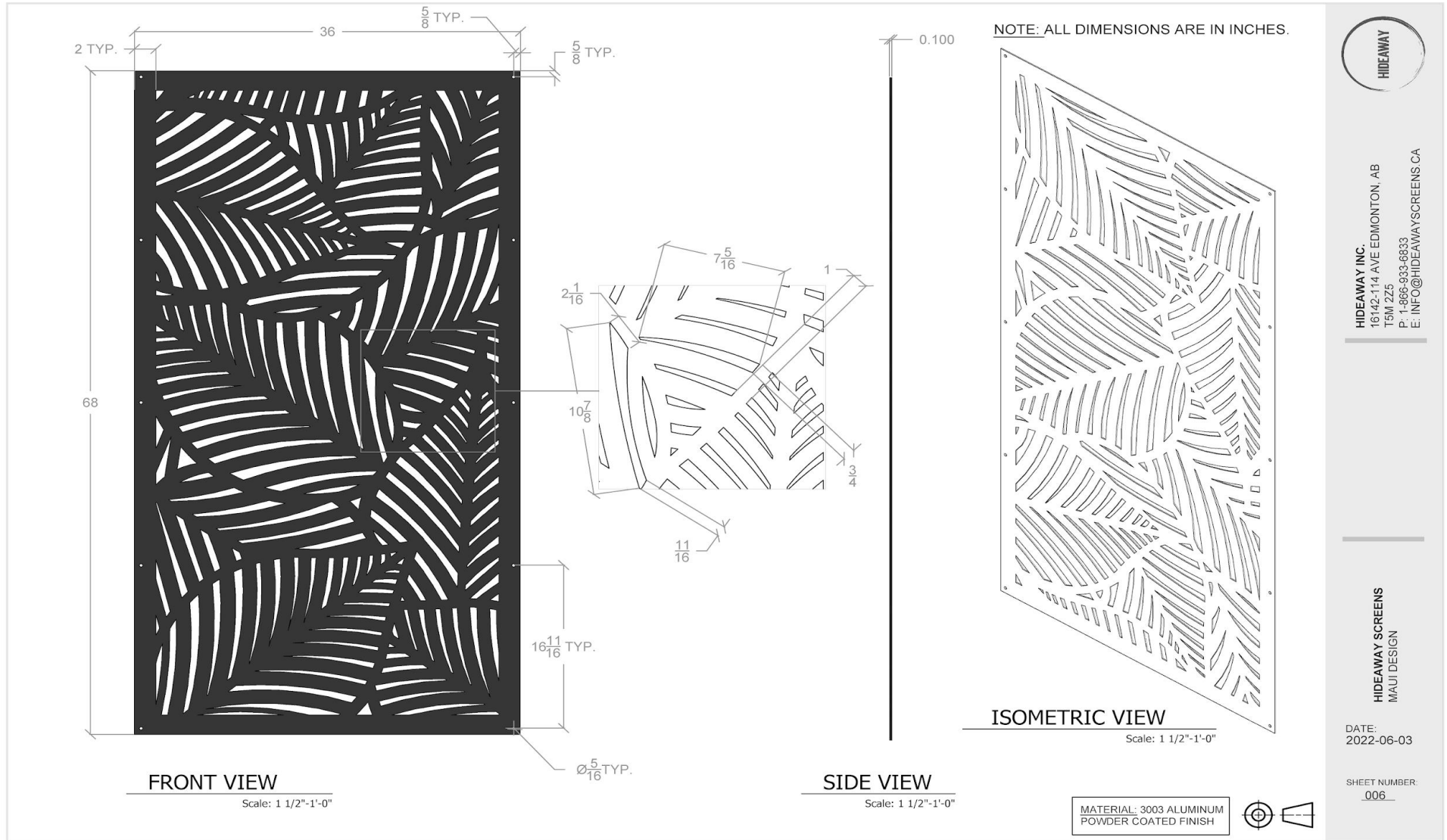
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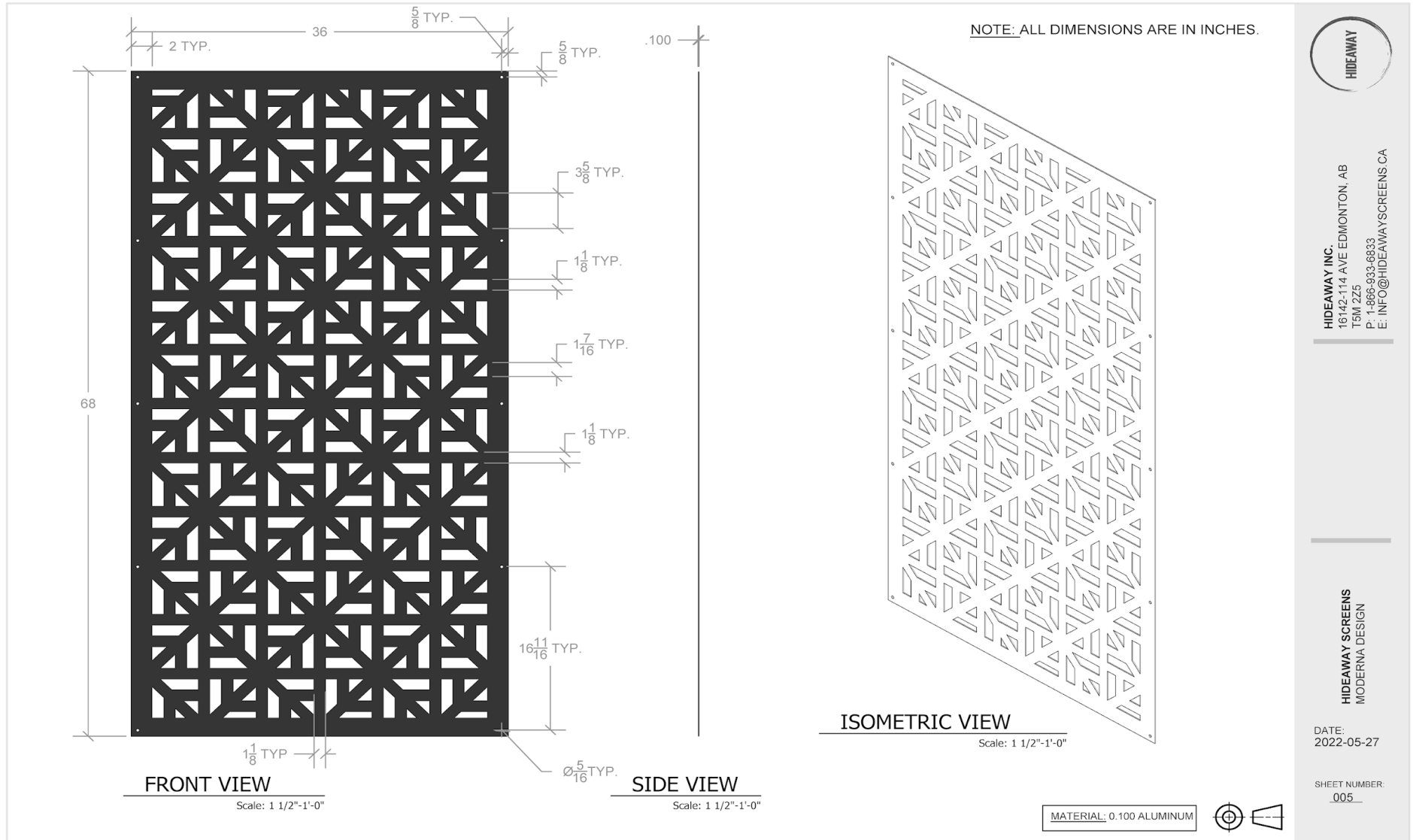
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HIDEAWAY SCREENS  
 MAUI DESIGN

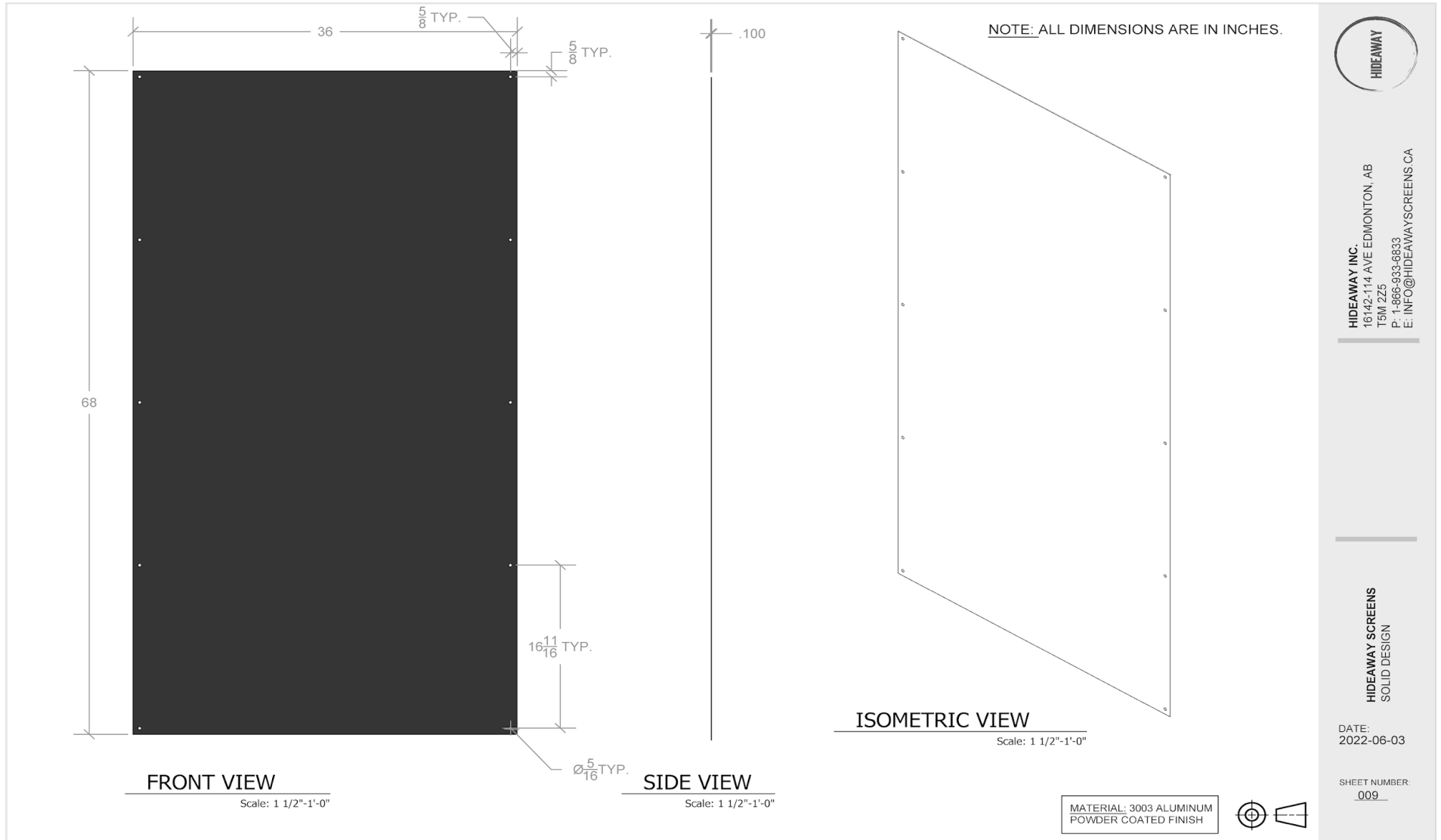
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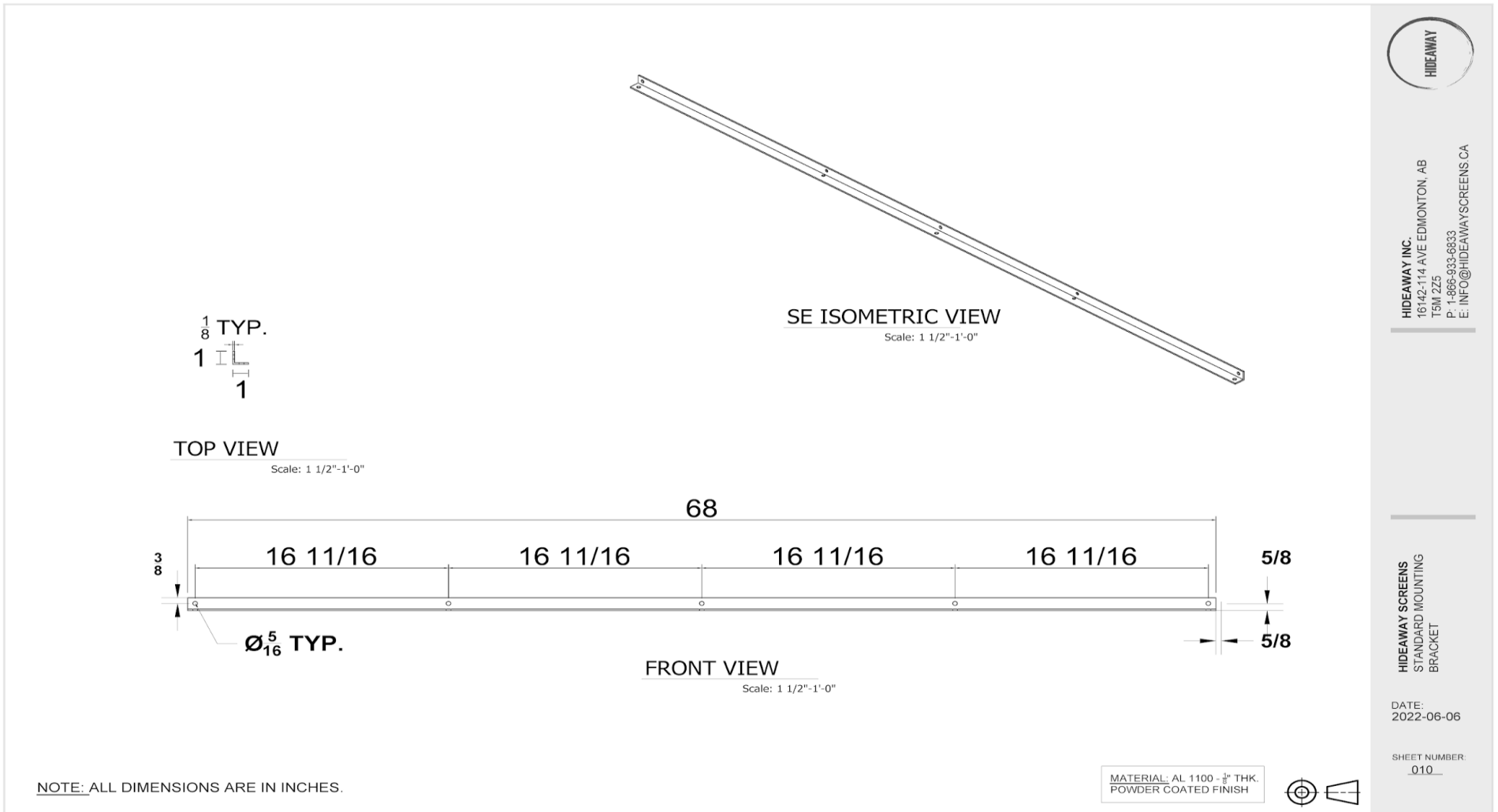


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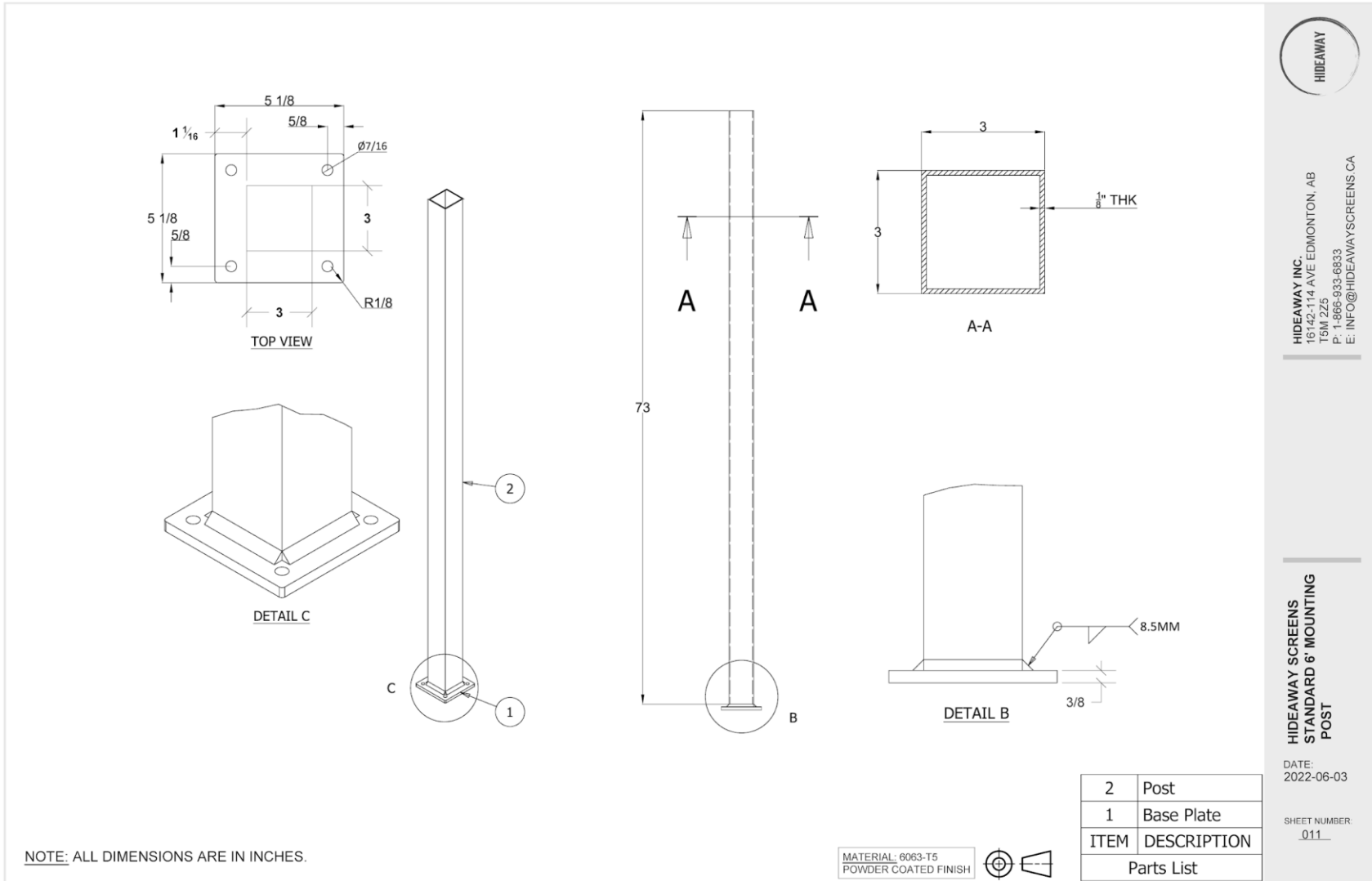
Appendix C - Mounting Brackets for Hideaway Inc Privacy Screens Assemblies



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## Appendix D - Mounting Posts for Hideaway Inc Privacy Screens Assemblies



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### Appendix E – Hideaway Inc Privacy Screens Assembly Details

**4 ACORN NUT**  
Scale: 1:1

$\frac{1}{4}$ " -20-  
Pitch- .4675

**5 MACHINE SCREW**  
Scale: 1:1

$\frac{1}{4}$ " -20- $\frac{1}{4}$ "  
Pitch - 0.4675

**7 SELF DRILLING SCREW**  
Scale: 1:1

10 - 24  
Pitch - 0.685

**EXPLODED VIEW**  
Scale: 1"-1'-0"

**ISOMETRIC VIEW**  
Scale: 1 1/2"-1'-0"

ITEM	DESCRIPTION	QTY
9	Post Cap	2
8	Base Skirt	2
7	Self Drilling Screw	10
6	Mounting Bracket	2
5	Machine Screw	10
4	Acorn Nut	10
3	Privacy Screen	1
2	Post	2
1	Base Plate	2

**Parts List**

**HIDEAWAY**

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**HIDEAWAY SCREENS**  
STANDARD ASSEMBLY

DATE:  
2022-06-06

SHEET NUMBER:  
011



**REVISION SUMMARY:**

<b>Revision</b>	<b>Date</b>	<b>Comments</b>	<b>Eng/Tech</b>
0	July 22, 2022	Original Issue	R. Giona
1	August 22, 2022	Update to outline OBC 2012 requirements that no residential guard support climbability.	M. Lansdowne

\*\*\*\*End of Report\*\*\*\*