

**Pei Evaluation Service®** is an accredited ISO Standard 17065 Product Certifier, accredited by the IAS. This **Product Evaluation Report** represents a product that **Pei ES** has Evaluated. This product has a Product Evaluation Service Agreement & Follow-up Inspection Service Agreement. This **Product Evaluation Report** in no way implies warranty for this product or relieves **Homeland Vinyl Products, Inc.** of their liabilities for this product. This **PER** is an official document if it is within one year of the initial or re-approval date.

**Initial Approval**  
November, 2019

**Re-Approved**  
November, 2020

See all **Pei ES** Listings at: [www.p-e-i.com](http://www.p-e-i.com)

**Report Owner**

**Homeland Vinyl Products, Inc.**  
3300 Pinson Valley Parkway  
Birmingham, AL 35217

**Approved Manufacturing Locations**

**Homeland Vinyl Products, Inc.**  
3300 Pinson Valley Parkway  
Birmingham, AL 35217

**Homeland Vinyl Products, Inc.**  
140 Industrial Drive  
Surgoinville, TN 37873

**Products**

**Nexus® 1 Guardrail System**

**Summit® Guardrail System**

**Nexus® 2 Guardrail System**

**Summit® II Guardrail System**

**Nexus® 2x3-1/2" Guardrail System**

**Nexus® Low Profile Rectangular Guardrail System**

**Evaluation Report Information**

**Homeland Vinyl Products** Contact: Aaron Waldrop  
Phone: (205) 314-2496

**General Details**

The **Nexus Guardrail Systems** and **Summit® Guardrail Systems** have been tested and evaluated for structural strength to meet design loads and requirements of the building codes listed under the Code Compliance section of this Product Evaluation Report (**PER**). The approved manufacturing locations shown above have an approved Quality Control Manual to manufacture the products. **Homeland Vinyl Products, Inc** has a Product Evaluation Service Agreement with **Pei Evaluation Service® (Pei ES)** and a Follow-up Inspection Service Agreement with **Progressive Engineering Inc. (Pei)**. The manufacturing facilities will be audited on a quarterly basis by **Pei**.

**Product Description**

All guardrail systems covered by this **PER** are co-extruded Rigid Polyvinyl Chloride with a PVC capstock product manufactured in one of the following **Pei ES** approved colors, White, Adobe and Tan, Honey Maple. The **Nexus® Guardrail Systems** and **Summit® Guardrail Systems** consist of the structural components outlined in Tables 1 & 2 of this **PER** report.

**General Product Use**

1. The guardrails listed in this **PER** shall be installed in accordance with **Homeland Vinyl Products** Installation Instructions and the conditions of this **PER**. A copy of the manufacturer's Installation Instructions shall be made easily available to the installer.
2. All framing, wood posts, beams, joists, stringers and associated connections required to anchor the railing posts are outside the scope of this **PER**. All framing shall follow applicable codes or be designed by a licensed Engineer. Stairway handrails shall be designed and constructed in accordance with the applicable codes.
3. The guardrails listed in this **PER** may be used in all construction types where untreated wood is permitted in accordance with Section 1406.3 (2012/2015 IBC) and Section 705.2.3.1 for the 2018 IBC.
4. All guardrail system load tests were performed using 4x4 Douglas Fir or Treated Southern Pine posts. Where alternative lumber species are utilized, the fastener capacity shall be verified by the local code official or a registered design professional as deemed applicable.
5. The guardrails listed in this **PER** have been evaluated to the design rating and requirements of Table 1 of this evaluation report.

**Code and Standard Compliance**

<p><b>2012 International Residential Code</b> Section R301.5      Section R312.1 Section R317.4      Section R507.3</p>	<p><b>2012 International Building Code</b> Section 1013      Section 1607.8.1</p>
<p><b>2015 International Residential Code</b> Section R301.5      Section R312.1.4 Section R317.4      Section R507.3</p>	<p><b>2015 International Building Code</b> Section 1015      Section 1607.8.1 Section 2612</p>
<p><b>2018 International Residential Code</b> Section R301.5      Section R312.1.4 Section R317.4      Section R507.2.2</p>	<p><b>2018 International Building Code</b> Section 1015      Section 1607.8.1 Section 2612</p>

**Notes:**

1. Evaluated and approved to meet or exceed requirements in 2012, 2015 & 2018 International Building Code (IBC) and International Residential Code (IRC) only if installed as product was tested. See Table 1 for approved code compliance assemblies and Table 2 for approved fastener requirements. See Figures starting on page 6 through 27 for profile details.

**Tested To**

**ICC-ES AC 174 (2009 & 2012)** - Acceptance Criteria for Deck Board Span Ratings and Guardrail Systems (Guards and Handrails)  
**ASTM D790-07** - Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.  
**ASTM D1761-06** - Standard Test Methods of Mechanical Fasteners in Wood  
**ASTM D2565-99** (Reapproved 2008) - Practice for Operating Xenon-Arc-Type Light Exposure Apparatus With and Without Water for Exposure of Plastics.  
**ASTM D6109-10** - Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastic Lumber.  
**ASTM D7032-17** - Standard Specification for Establishing Performance Ratings for Wood, Plastic Composite Deck Boards and Guardrail Systems (Guards or Rails)  
**ASTM E84-09** - Test Methods for Surface Burning Characteristics of Building Materials

**Product Documentation**

A Product Evaluation Service Agreement between **Pei Evaluation Service** and Homeland Vinyl Products, Inc.  
 A Follow-up Inspection Service Agreement between **Progressive Engineering Inc.** and Homeland Vinyl Products, Inc.  
 A **Homeland Vinyl Products, Inc.** Quality Control Manual - Dated: 8/13/2020  
**Nexus®** Installation Guide P1047 Rev B. - Dated: 20-020  
**Summit™** Railing Bracket Guidelines and Installation Instructions  
 SDS for Extruded PVC Profiles - Dated: August 10, 2020  
 Test Report No. 2019-6309 (A) - ASTM D7032 Guardrail Test on a Summit® II Rectangular Hollow Utility Composite Railing System (P-Rail Insert) w/Summit® II Level PVC Brackets - Dated: 11/19/2019  
 Test Report No. 2019-6309 (B) - ASTM D7032 Guardrail Test on a Summit® II Gorilla T-Rail Composite Railing System (P-Rail Insert) w/Summit® II Gorilla T-Rail Level PVC Brackets - Dated: 11/21/2019  
 Test Report No. 2019-6309 (C) - ASTM D7032 Guardrail Test on a Summit® II Rectangular Hollow Utility Composite Railing System w/Summit® II Level PVC Brackets - Dated: 11/25/2019  
 Test Report No. 2019-6309 (D) - ASTM D7032 Guardrail Test on a Summit® II Gorilla T-Rail Composite Railing System (H-Rail Insert) w/Summit® II Gorilla T-Rail Level PVC Brackets - Dated: 1/6/2020  
 Test Report No. 2019-6309 (E) - ASTM D7032 Guardrail Test on a Summit® II Gorilla T-Rail Composite Railing System (h-Rail Insert) w/Summit® II Gorilla T-Rail Level PVC Brackets - Dated: 1/7/2020  
 Test Report No. 2019-6309 (F) - ASTM D7032 Guardrail Test on a Summit® II Rectangular Hollow Utility Composite Railing System (h-Insert) w/Summit® II Level PVC Brackets - Dated: 1/8/2020  
 Test Report No. 2018-6270 (A) - ASTM D7032 Guardrail Test on a Nexus® 1 Composite Railing System - Dated: 6/14/2019  
 Test Report No. 2018-6270 (B) - ASTM D7032 Guardrail Test on a Nexus® 1 Composite Railing System - Dated: 7/12/2019  
 Test Report No. 2018-6270 (C) - ASTM D7032 Guardrail Test on a Nexus® 2 Composite Railing System - Dated: 6/20/2019  
 Test Report No. 2018-6270 (D) - ASTM D7032 Guardrail Test on a Nexus® 2 Composite Railing System - Dated: 4/18/2019  
 Test Report No. 2018-6270 (E) - ASTM D7032 Guardrail Test on a Nexus® Hollow Utility Rail Composite Railing System - Dated: 4/18/2019  
 Test Report No. 01-10932.01-138b - Dated May 6, 2005.  
 Test Report No. D53597.01-119-19 - Homeland Vinyl Products Inc - Dated: 6/13/2005  
 Test Report No. 84869.01-119-19 - AC174-09 Structural Testing on Nexus® PVC Guardrail System - Dated: 11/05/2009  
 Test Report No. 85730.02-119-19 - AC174-09 Structural Testing on PVC Guardrail Systems - Dated: 10/06/2009  
 Test Report No. D3348.01-119-19 - AC174-09 Structural Testing on PVC Guardrail Systems - Dated: 3/24/2014  
 Test Report No. C0622.01-119-19 - AC174-09 Structural Testing on New Rigid PVC & Acrylic Rail Mounting Brackets - Dated: 10/23/2012  
 Test Report No. G5640.01-119-19 - AC174-12 Structural Testing on Nexus II & Low Profile Rectangular PVC Guardrail (Railing Systems) - Dated: 3/15/2017

**Product Labeling**

Each guardrail shipment, that is covered by this **Product Evaluation Report**, must have a label attached with at least the following information:

1. Homeland Vinyl Products, Inc. Name and Address
2. Product Name
3. Plant Identifier and Date Code
4. This **PER** Number and **Pei ES** Logo

**Acceptable Evaluation Marks**

**Approved Colors**

**Nexus Railing Systems**



Adobe

White

Tan

**Summit™ Railing Systems**



Adobe

Mocha Walnut

Honey Maple

White

Tan

**Summit™ II Railing Systems**



Adobe

White

Tan

**Table 1 - Nexus® Railing Systems Code Limitations**

Railing System	Nominal Length	Maximum Height	Code Approval
<b>Nexus® I T-Rail w/ Polymer Bracket</b>	6-ft and 8-ft	42-in	IRC Code only <sup>1,2</sup>
<b>Nexus® I T-Rail w/ Aluminum Brackets</b>	6-ft and 8-ft	42-in	IRC <sup>1,2</sup> & IBC <sup>3</sup> Codes
<b>Nexus® I T-Rail w/ Aluminum Brackets</b>	10-ft	42-in	IRC <sup>1,2</sup> & IBC <sup>3</sup> Codes
<b>Nexus® I T-Rail w/ Polymer &amp; PVC Brackets</b>	6-ft and 8-ft	42-in	IRC <sup>1,2</sup> & IBC <sup>3</sup> Codes
<b>Nexus® I T-Rail w/ Aluminum &amp; PVC Brackets</b>	6-ft and 8-ft	42-in	IRC <sup>1,2</sup> & IBC <sup>3</sup> Codes
<b>Nexus® II Contour w/ Polymer Brackets</b>	6-ft and 8-ft	42-in	IRC <sup>1,2</sup>
<b>Nexus® II Contour w/ Aluminum Brackets</b>	6-ft <sup>2</sup> and 8-ft	42-in	IRC <sup>1,2</sup> & IBC <sup>3</sup> Codes
<b>Nexus® II Contour w/ Polymer &amp; PVC Brackets</b>	6-ft and 8-ft	42-in	IRC Code only
<b>Nexus® II Contour w/ Aluminum &amp; PVC Brackets</b>	6-ft and 8-ft	42-in	IRC <sup>1,2</sup> & IBC <sup>3</sup> Codes
<b>Nexus® 2 x 3-1/2" Rectangular Rail w/ PVC Brackets</b>	6-ft and 8-ft	42-in	IRC <sup>1,2</sup>
<b>Nexus® Low-Profile Rectangular Rail w/ Polymer Brackets</b>	6-ft	42-in	IRC <sup>1,2</sup>

**Notes:**

- All guardrail systems have been tested at a maximum height of 42-in (measuring from walking surface to top of top rail). A shorter guardrail system may be installed at the same span length as long as local code requirements for rail heights are met.
- IRC = One and Two-Family Dwellings
- IBC - All Use Groups
- The **Nexus® I** T-Rail aluminum top rail inserts are manufactured from 6005A-T61 aluminum alloy. See Figures starting on page 4 for profile details.
- The **Nexus® II** Top Rail aluminum top rail inserts are manufactured from 6005A-T61 aluminum alloy. See Figures starting on page 4 for profile details.
- The **Nexus®** Brackets are manufactured from either Aluminum, Polyethylene or PVC materials.
- Railing Systems using the "P" or Inverted "h" insert shall orient the long leg of the "P" or the Inverted "h" towards the walking surface.

**Table 2 - Summit® Railing Systems Code Limitations**

Railing System	Insert	Nominal Length	Maximum Height	Code Approval
<b>Summit® 3-1/2" T-Rail</b>	Inverted "h"	6-ft	42-in	IRC Code only <sup>1,2</sup>
<b>Summit® 3-1/2" T-Rail</b>	H,P	6-ft* and 8-ft	42-in	IRC <sup>1,2</sup>
<b>Summit® 3-1/2" T-Rail</b>	P	10-ft	42-in	IRC Code only <sup>1,2</sup>
<b>Summit® 2 x 3-1/2" Rectangular</b>	Inverted "h"	6-ft	42-in	IRC <sup>1,2</sup>
<b>Summit® 2 x 3-1/2" Rectangular</b>	P	6-ft and 8-ft	42-in	IRC <sup>1,2</sup> & IBC <sup>3</sup> Codes
<b>Summit® 2 x 3-1/2" Deck-Over</b>	Inverted "h"	6-ft	42-in	IRC <sup>1,2</sup>
<b>Summit® 2 x 3-1/2" Deck-Over</b>	P	6-ft and 8-ft	42-in	IRC <sup>1,2</sup> & IBC <sup>3</sup> Codes
<b>Summit® 3" Contour</b>	Inverted "h"	6-ft	42-in	IRC Code only <sup>1,2</sup>
<b>Summit® 3" Contour</b>	P	6-ft and 8-ft	42-in	IRC <sup>1,2</sup> & IBC <sup>3</sup> Codes
<b>Summit® II 3-1/2" T-Rail</b>	H,P	6-ft and 8-ft	42-in	IRC <sup>1,2</sup> & IBC <sup>3</sup> Codes
<b>Summit® II 3-1/2" T-Rail</b>	Inverted "h"	6-ft and 8-ft	42-in	IRC <sup>1,2</sup> & IBC <sup>3</sup> Codes
<b>Summit® II 2" x 3-1/2" Rectangular</b>	H,P	6-ft and 8-ft	42-in	IRC <sup>1,2</sup> & IBC <sup>3</sup> Codes
<b>Summit® II 2" x 3-1/2" Rectangular</b>	Inverted "h"	6-ft and 8-ft	42-in	IRC <sup>1,2</sup> & IBC <sup>3</sup> Codes

**Notes:**

- All guardrail systems have been tested at a maximum height of 42-in (measuring from walking surface to top of top rail). A shorter guardrail system may be installed at the same span length as long as local code requirements for rail heights are met.
- IRC = One and Two-Family Dwellings
- IBC - All Use Groups
- The **Summit™** Top Rail aluminum top rail inserts are manufactured from 6005A-T61 aluminum alloy. See Figures starting on page 4 for profile details.
- The **Summit™ II** Top Rail aluminum top rail inserts are manufactured from 6005A-T61 aluminum alloy. See Figures starting on page 4 for profile details.
- The **Summit®** Brackets are manufactured from either ASA or PVC materials.
- Railing Systems using the "P" or Inverted "h" insert shall orient the long leg of the "P" or the Inverted "h" towards the walking surface.
- \* 6-FT span uses the "h" insert in the top rail.

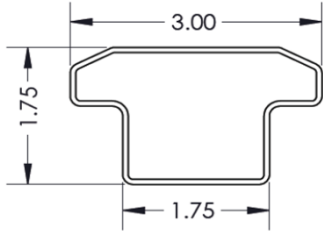
**Table 3 - Guardrail Fastening Requirements<sup>1</sup>**

Rail Profile	Connection	Bracket	Fastener <sup>2</sup>	Quantity
Nexus <sup>®</sup> I T-Rail	Top/Bottom Brackets to Post	Nexus Polymer Bracket	#9 x 1-1/2-in Flat-head SS Self-Drilling screws	12
	Bracket to Top Guardrail		#9 x 7/8" pan-head galvanized steel self-drilling screws	4
	Bracket to Bottom Guardrail		#9 x 7/8" pan-head galvanized steel self-drilling screws	4
Nexus <sup>®</sup> I T-Rail	Top Rail Brackets to Post	Nexus Aluminum Bracket	#9 x 1-1/2-in Flat-head SS Self-Drilling screws	12
	Bottom Rail Bracket to Post		#9 x 7/8" pan-head galvanized steel self-drilling screws	4
	Bracket to Top Guardrail		#9 x 7/8" pan-head galvanized steel self-drilling screws	4
Nexus <sup>®</sup> I T-Rail	Top Rail Brackets to Post	Nexus <sup>®</sup> Polymer Bracket	#9 x 1-1/2-in Flat-head SS Self-Drilling screws	6
	Bottom Rail Bracket to Post	Nexus <sup>®</sup> PVC Level Bracket	#9 x 1-1/2-in Flat-head SS Self-Drilling screws	6
	Bracket to Top Guardrail	Nexus <sup>®</sup> Polymer Bracket	#9 x 7/8-in pan head galvanized Self-Drilling screws	4
	Bracket to Bottom Guardrail	Nexus <sup>®</sup> PVC Level Bracket	#9 x 7/8-in pan head galvanized Self-Drilling screws	4
Nexus <sup>®</sup> I T-Rail	Top Rail Brackets to Post	Nexus <sup>®</sup> Aluminum Bracket	#9 x 1-1/2-in Flat-head SS Self-Drilling screws	6
	Bottom Rail Brackets to Post	Nexus <sup>®</sup> PVC Level Bracket	#9 x 1-1/2-in Flat-head SS Self-Drilling screws	6
	Bracket to Top Guardrail	Nexus <sup>®</sup> Aluminum Bracket	#9 x 7/8" pan-head galvanized steel self-drilling screws	2
	Bracket to Bottom Guardrail	Nexus <sup>®</sup> PVC Level Bracket	#9 x 7/8" pan-head galvanized steel self-drilling screws	2
Nexus <sup>®</sup> II Contour	Top/Bottom Brackets to Post	Nexus <sup>®</sup> Polymer Bracket	#8-8 x 1-5/8" Square drive, flat head Type 17 point SS Screws	12
	Bracket to Top Guardrail		#10-16 x 3/4" Pan head, #2 Square drive, Pan head self-drilling coated carbon screws	4
	Bracket to Bottom Guardrail		#10-16 x 3/4" Pan head, #2 Square drive, Pan head self-drilling coated carbon screws	4
Nexus <sup>®</sup> II Contour	Top/Bottom Brackets to Post	Nexus <sup>®</sup> Aluminum Bracket	#8-8 x 1-5/8" Square drive, flat head Type 17 point SS Screws	12
	Bracket to Top Guardrail		#10-16 x 3/4" Pan head, #2 Square drive, Pan head self-drilling coated carbon screws	4
	Bracket to Bottom Guardrail		#10-16 x 3/4" Pan head, #2 Square drive, Pan head self-drilling coated carbon screws	4
Nexus <sup>®</sup> II Contour	Top Rail Brackets to Post	Nexus <sup>®</sup> Polymer Bracket	#9 x 1-1/2-in Flat-head SS Self-Drilling screws	6
	Bottom Rail Bracket to Post	Nexus <sup>®</sup> PVC Level Bracket	#9 x 1-1/2-in Flat-head SS Self-Drilling screws	6
	Bracket to Top Guardrail	Nexus <sup>®</sup> Polymer Bracket	#9 x 7/8" pan-head galvanized steel self-drilling screws	4
	Bracket to Bottom Guardrail	Nexus <sup>®</sup> PVC Level Bracket	#9 x 7/8" pan-head galvanized steel self-drilling screws	4
Nexus <sup>®</sup> II Contour	Top Rail Brackets to Post	Nexus <sup>®</sup> Aluminum Bracket	#9 x 1-1/2-in Flat-head SS Self-Drilling screws	6
	Bottom Rail Bracket to Post	Nexus <sup>®</sup> PVC Level Bracket	#9 x 1-1/2-in Flat-head SS Self-Drilling screws	6
	Bracket to Top Guardrail	Nexus <sup>®</sup> Aluminum Bracket	#9 x 7/8" pan-head galvanized steel self-drilling screws	4
	Bracket to Bottom Guardrail	Nexus <sup>®</sup> PVC Level Bracket	#9 x 7/8" pan-head galvanized steel self-drilling screws	4
Nexus <sup>®</sup> 2 x 3-1/2"	Top/Bottom Rail Bracket to Post	Nexus <sup>®</sup> PVC Level Bracket	#9 x 1-1/2-in Flat head SS Self-Drilling screws	12
	Bracket to Top Guardrail		#10 x 3/4" pan-head galvanized steel self-drilling screws	4
	Bracket to Bottom Guardrail		#10 x 3/4" pan-head galvanized steel self-drilling screws	4
Nexus <sup>®</sup> Low Profile	Top/Bottom Brackets to Post	Nexus <sup>®</sup> Polymer Bracket	#8-8 x 1-5/8" Square drive, flat head Type 17 point SS Screws	12
	Bracket to Top Guardrail		#10-16 x 3/4" Pan head, #2 Square drive, Pan head self-drilling coated carbon screws	4
	Bracket to Bottom Guardrail		#10-16 x 3/4" Pan head, #2 Square drive, Pan head self-drilling coated carbon screws	4
Summit <sup>®</sup> T-Rail	Top Rail Brackets to Post	Summit <sup>®</sup> T-Rail Bracket	#9 x 1-1/2" SS, Square Drive, pan head self drilling screws	12
	Rail Bracket to Rail	Summit <sup>®</sup> 2 x 3-1/2" Bracket	#10 x 3/4" pan-head, square drive, self starting screws	4
	Bracket to Top Guardrail		#9 x 1-1/2" SS, Square Drive, pan head self drilling screws	8
	Bracket to Bottom Guardrail		#10 x 3/4" pan-head, square drive, self starting screws	4
Summit <sup>®</sup> 2 x 3-1/2"	Top/Bottom Rail Bracket to Post	Summit <sup>®</sup> 2x3-1/2" Bracket	#9 x 1-1/2" SS, Square Drive, pan head self drilling screws	16
	Rail Bracket to Rail		#10 x 3/4" pan-head, square drive, self starting screws	8
Summit <sup>®</sup> Contour	Top Rail Bracket to Post	Summit <sup>®</sup> Contour Rail Bracket	#9 x 1-1/2-in Flat head SS Self-Drilling screws	12
	Rail Bracket to Rail	Summit <sup>®</sup> 2x3-1/2" Bracket	#10 x 3/4" pan-head, square-drive, self-starting screws	4
	Bottom Rail Bracket to Post		#9 x 1-1/2-in Flat head SS Self-Drilling screws	8
	Rail Bracket to Rail		#10 x 3/4" pan-head, square-drive, self-starting screws	4
Summit <sup>®</sup> Deck Over	Top Rail Bracket to Post	Summit <sup>®</sup> Deck-Over Bracket	#9 x 1-1/2-in Flat head SS Self-Drilling screws	12
	Rail Bracket to Rail	Summit <sup>®</sup> 2" x 3-1/2" Bracket	#10 x 3/4" pan-head, square-drive, Self-Drilling screws	4
	Bottom Rail Bracket to Post		#9 x 1-1/2-in pan-head SS Self-Drilling screws	8
	Bracket to Bottom Guardrail		#10 x 3/4" pan-head, SS self-drilling screws	4
Summit <sup>®</sup> II T-Rail	Top Rail Bracket to Post	Summit <sup>®</sup> II T-Rail Bracket	#9 x 1-1/2-in Pan-head SS thread cutting screws (for use in wood)	12
	Rail Bracket to Rail	Summit <sup>®</sup> II 2x3-1/2" Bracket	#10 x 1" pan-head galvanized steel self-drilling screws	4
	Bottom Rail Bracket to Post		#9 x 1-1/2-in Pan-head SS thread cutting screws (for use in wood)	8
	Bracket to Bottom Guardrail		#10 x 3/4" pan-head galvanized steel self-drilling screws	4
Summit <sup>®</sup> II 2 x 3-1/2"	Top/ Bottom Rail Brackets to Post	Summit <sup>®</sup> II 2 X 3-1/2" Bracket	#9 x 1-1/2-in Flat head SS Self-Drilling screws	16
	Rail Bracket to Rail		#10 x 3/4" pan-head galvanized steel self-drilling screws	8

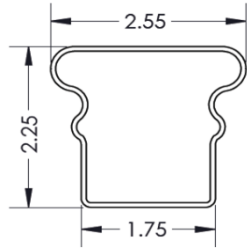
**Notes:**

- Mechanical fastener not required for crush block to bottom rail.
- SS - Stainless Steel

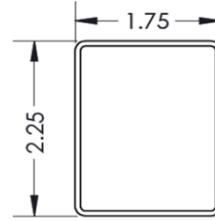
**Nexus® I & II Guardrail Profiles**



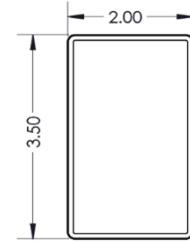
**Nexus® I T-Rail (Top Rail)**



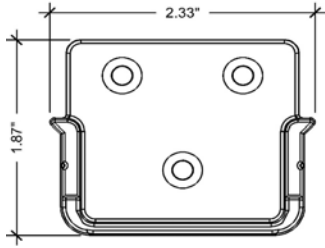
**Nexus® II Contour Rail**



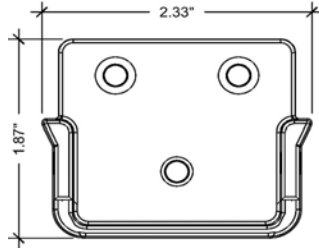
**Nexus® Low Profile (Top/Bottom Rail)**



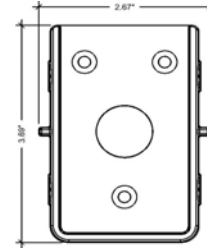
**Nexus® 2" x 3-1/2" Rectangular Rail (Top/Bottom Rail)**



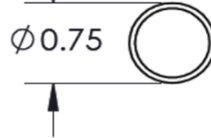
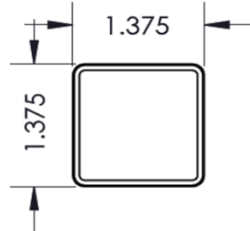
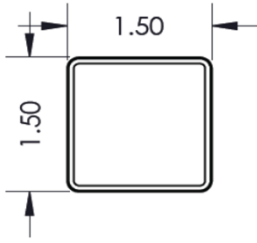
**Nexus® Polymer Bracket (Top/Bottom Rail)**



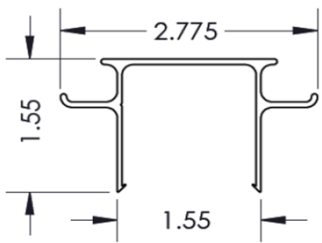
**Nexus® Aluminum Bracket (Top/Bottom Rail)**



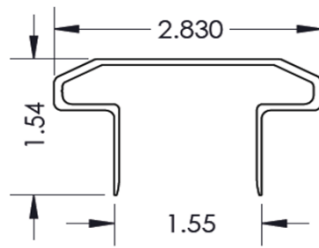
**Nexus® 2" x 3-1/2" PVC Level Bracket (Top/Bottom Rail)**



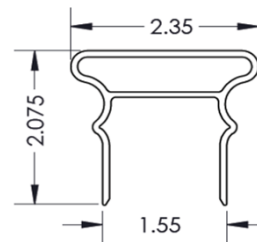
**F42S 1-1/2" x 1-1/2" Co-Ex Std Picket.** **F43C 1-3/8" x 1-3/8" Co-Ex Std Picket.** **3/4" Round Aluminum Baluster**



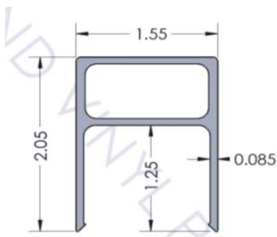
**Nexus® I T-Rail Aluminum Insert (Top Rail)**



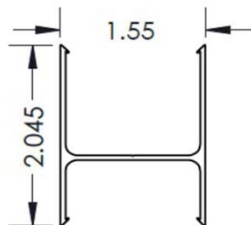
**Nexus® I T-Rail Aluminum Insert (Top Rail) 10-ft Nominal Length**



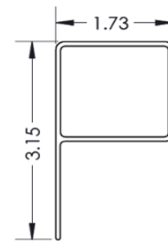
**Nexus® II Contour Aluminum Insert (Top Rail)**



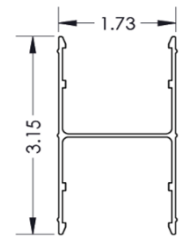
**Nexus® II "A" Aluminum Insert (IRC Only)**



**Nexus® Low-Profile Aluminum Insert**

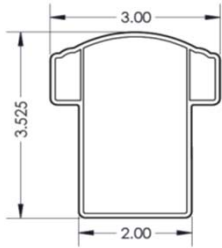


**Nexus® 2" x 3-1/2" "P" Aluminum Insert**

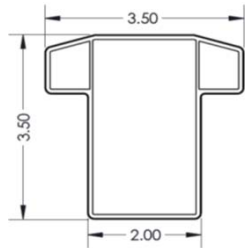


**Nexus® 2" x 3-1/2" "H" Aluminum Insert**

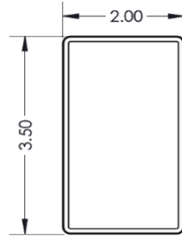
**Summit® Guardrail Profiles**



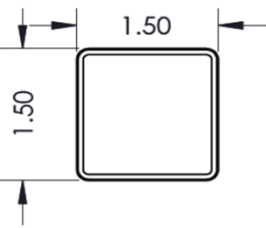
**Summit® 3" Contour (Top Rail)**



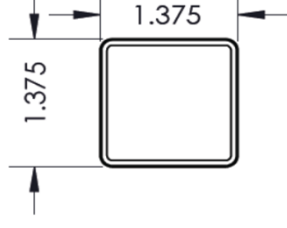
**Summit® 3-1/2" T-Rail (Top Rail)**



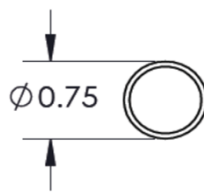
**Summit® 2 x 3-1/2" Rectangular Rail (Top/Bottom Rail)**



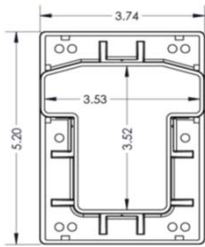
**F42C 1-1/2" x 1-1/2" Co-Ex Std. Picket**



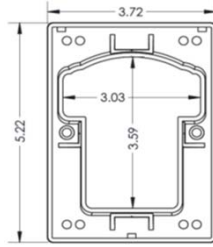
**F43C 1-3/8" x 1-3/8" Co-Ex Std. Picket**



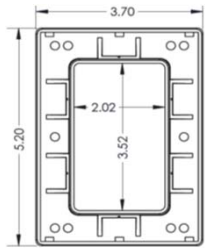
**3/4" Round Aluminum Baluster**



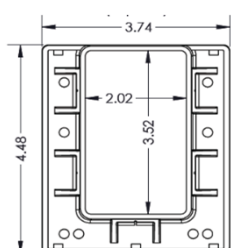
**Summit® 3-1/2" T-Rail Bracket**



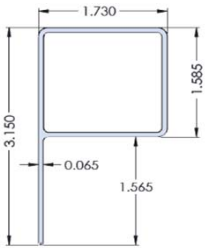
**Summit® 3" Contour Bracket**



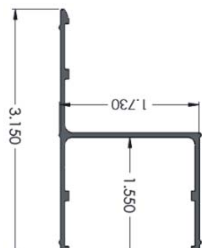
**Summit® 2" x 3-1/2" Rectangular Bracket**



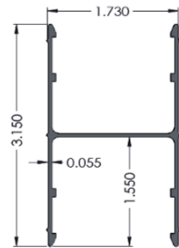
**Summit® 2 x 3-1/2" Deck-Over Bracket**



**Summit® "P" Aluminum Insert (Top/Bottom Rail)**

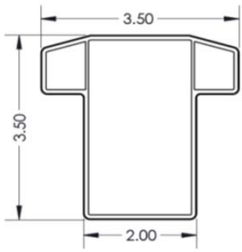


**Summit® "h" Aluminum Insert (Top/Bottom Rail)**

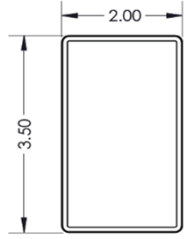


**Summit® "H" Aluminum Insert (Top/Bottom Rail)**

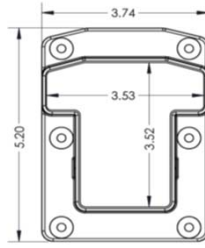
**Summit® II Guardrail Profiles**



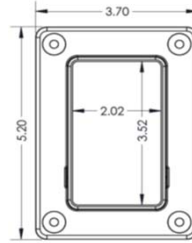
**Summit® II 3-1/2" T-Rail**  
(Top Rail)



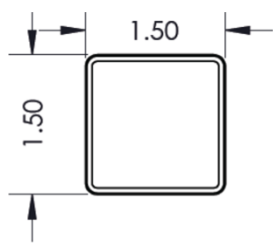
**Summit® II 2 x 3-1/2" Rectangular Rail**  
(Top/Bottom Rail)



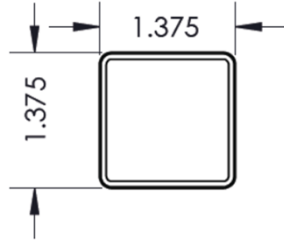
**Summit® II 3-1/2" T-Rail Bracket**



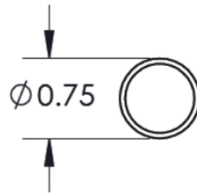
**Summit® II 2" x 3-1/2" Rectangular Bracket**



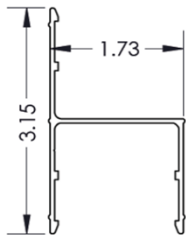
**F42C 1-1/2" x 1-1/2" Co-Ex Std. Picket**



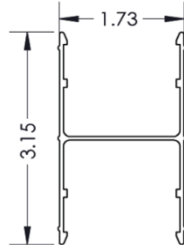
**F43C 1-3/8" x 1-3/8" Co-Ex Std. Picket**



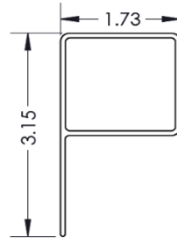
**3/4" Round Aluminum Baluster**



**Summit® II "h" Aluminum Insert**  
(Top/Bottom Rail)



**Summit® II "H" Aluminum Insert**  
(Top/Bottom Rail)



**Summit® II "P" Aluminum Insert**  
(Top/Bottom Rail)