



Test Report OSHA Verification

6305 S 231st Street
Kent, WA 98032
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Test Report Number: 2019123015188
Job Number: Qualification 508
Product SKU#: 15188
Product Type: Guardrail
Product Description: Angel Guardrail Base with Integrated Toe Board Slot
Testing Standard: OSHA 1910.29, OSHA 1926.502
Dates of Manufacture: 10/31/2019
Date(s) of Testing: 10/31/2019

CALIBRATION TESTING

<u>Test Description</u>	<u>Test Date</u>	<u>Clause/Section</u>	<u>Result</u>
Force Calibration Tests	5/24/2018	Internal Calibration	Meets or Exceeds

VERIFICATION TESTING

<u>Test Description</u>	<u>Test Date</u>	<u>Clause/Section</u>	<u>Result</u>
Top Rail Strength and Deflection	10/31/2019	OSHA 1910.29(b)(3) OSHA 1926.502(b)(3)	Pass
Mid Rail Strength	10/31/2019	OSHA 1910.29(b)(5) OSHA 1926.502(b)(5)	Pass

This test report covers these additional products:

Please contact quality@guardianfall.com for signed report.

Test Equipment		
Equipment	Model	Serial
Load Cell	1220ACK-25K-B	347989A

Mandatory/Non-Mandatory Regulatory Requirements		
OSHA 1910.29(b)(3)	Guardrail systems are capable of withstanding, without failure, a force of at least 200 pounds (890 N) applied in a downward or outward direction within 2 inches (5 cm) of the top edge, at any point along the top rail.	Meets or Exceeds
OSHA 1926.502(b)(3)	Guardrail systems shall be capable of withstanding, without failure, a force of at least 200 pounds (890 N) applied within 2 inches (5.1 cm) of the top edge, in any outward or downward direction, at any point along the top edge.	Meets or Exceeds
OSHA 1910.29(b)(5)	Midrails, screens, mesh, intermediate vertical members, solid panels, and other equivalent intermediate members are capable of withstanding, without failure, a force of at least 150 pounds (667 N) applied in any downward or outward direction at any point along the intermediate member.	Meets or Exceeds
OSHA 1926.502(b)(5)	Midrails, screens, mesh, intermediate vertical members, solid panels, and equivalent structural members shall be capable of withstanding, without failure, a force of at least 150 pounds (666 N) applied in any downward or outward direction at any point along the midrail or other member.	Meets or Exceeds

Strength & Deflection Testing, Top Rail <i>requirements per OSHA 1910.29(b)(3), OSHA 1926.502(b)(3)</i>	
Sample # 04	
Weight applied (lb)	200
Specimen Successfully Arrested Load?	Yes
Result/Assessment	Pass

Strength & Deflection Testing, Mid Rail <i>requirements per OSHA 1910.29(b)(5), OSHA 1926.502(b)(5)</i>	
Sample # 01	
Weight applied (lb)	150
Specimen Successfully Arrested Load?	Yes
Result/Assessment	Pass

Strength & Deflection Testing, Top Rail <i>requirements per OSHA 1910.29(b)(3), OSHA 1926.502(b)(3)</i>	
Sample # 05	
Weight applied (lb)	200
Specimen Successfully Arrested Load?	Yes
Result/Assessment	Pass

Strength & Deflection Testing, Mid Rail <i>requirements per 1910.140(c)(13)(i) & 1926.502(d)(15)</i>	
Sample # 02	
Weight applied (lb)	150
Specimen Successfully Arrested Load?	Yes
Result/Assessment	Pass

Strength & Deflection Testing, Top Rail <i>requirements per OSHA 1910.29(b)(3), OSHA 1926.502(b)(3)</i>	
Sample # 06	
Weight applied (lb)	200
Specimen Successfully Arrested Load?	Yes
Result/Assessment	Pass

Strength & Deflection Testing, Mid Rail <i>requirements per 1910.140(c)(13)(i) & 1926.502(d)(15)</i>	
Sample # 03	
Weight applied (lb)	150
Specimen Successfully Arrested Load?	Yes
Result/Assessment	Pass