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VISCERA BRANDS LLC FORCED ENTRY RESISTANCE TEST REPORT

SCOPE OF WORK
UL 972 TESTING ON INVISICADE CRISIS SHIELD CS-650 ADHERED TO GLAZING

REPORT NUMBER
S1342.01-109-44

TEST DATES
02/18/25 - 02/19/25

ISSUE DATE
04/22/25

PAGES
20

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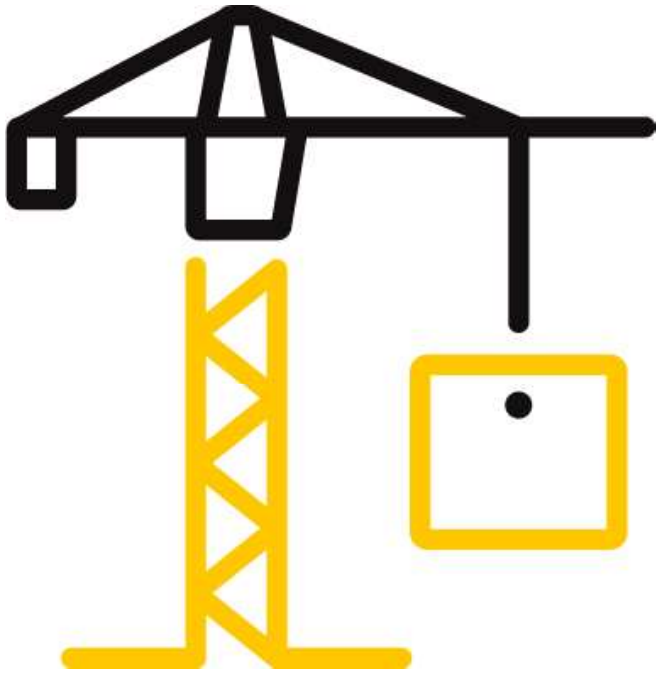
RT-R-AMER-Test-2805 (09/23/24)



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Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR VISCERA BRANDS LLC FORCED ENTRY RESISTANCE

Report No.: S1342.01-109-44
Date: 04/22/25

REPORT ISSUED TO

VISCERA BRANDS LLC
12810A Century Drive
Stafford, Texas 77477

SECTION 1

SCOPE

Architectural Testing, Inc. (an Intertek company) dba Intertek Building & Construction (B&C) was contracted by Viscera Brands LLC to perform testing in accordance with UL 972on their Invisicade Crisis Shield CS-650 adhered to Glazing. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at Intertek B&C test facility in York, Pennsylvania.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. Intertek B&C will service this report for the entire test record retention period. The test record retention period ends four years after the test date. Test records, such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation, will be retained for the entire test record retention period.

Unless differently required, Intertek reports apply the "Simple Acceptance" rule, also called "Shared Risk approach," of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

For INTERTEK B&C:

COMPLETED BY:	Christopher E. Sartalis	**REVIEWED BY:**	Ken R. Stough
TITLE:	Technician – Product Testing	**TITLE:**	Project Manager – Product Testing
SIGNATURE:	Digitally Signed by: Christopher Sartalis	**SIGNATURE:**	Digitally Signed by: Ken Stough
DATE:	04/22/25	**DATE:**	04/22/25

CES:mas

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SECTION 2
TEST METHOD

The specimens were evaluated in accordance with the following:

ANSI/UL 972-2006 (2020), *Standard for Safety, Burglary Resisting Glazing Material*

SECTION 3
MATERIAL SOURCE/INSTALLATION

Test specimen(s) were provided by the client.

Representative samples of the test specimen(s) will be retained by Intertek B&C for a minimum of four years from the test completion date.

SECTION 4
EQUIPMENT

Digital Scale: 65571
Weather Station: 63316
Infrared Thermometer: 65879
Tape Measure Verification: 63788

SECTION 5
LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Tyler J. Bard	Intertek B&C
Richard E. Hartman III	Intertek B&C
Ken R. Stough	Intertek B&C
Christopher E. Sartalis	Intertek B&C

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SECTION 6
TEST SPECIMEN DESCRIPTION

Product Type: Tempered Glass
Series/Model: Invisicade Crisis Shield CS-650

Product Size:

Test Specimens #1-3

OVERALL AREA:	**WIDTH**		**HEIGHT**	
4.0 ft^2 (0.4 m^2)	**inches**	**millimeters**	**inches**	**millimeters**
Overall size	24	610	24	610

Unless noted the following description applies to all specimens.

Glass make-up: The impacted side is 1/4" (6.4 mm) tempered glass with Invisicade Crisis Shield CS-650 on the safe (opposite) side.

Test Fixture: The test fixture measured 26" wide by 26" length (660 mm by 660 mm) and was constructed of 2" by 2" (51 mm by 51 mm) by 1/4" (6.4 mm) thick steel angle with 3/4" (19.1 mm) by 2" (51 mm) hardwood and 1/4" (6.4 mm) thick rubber attached to the steel. The fixture consisted of two separate frame members. Each frame was lined with hardwood and rubber. The fixture measured 8" (203 mm) high. A five-pound 3-1/4" diameter steel ball was utilized to impact the test specimen at the specified drop height.

Test Specimen Mounting: The test specimen was laid in the center of the bottom frame member and then the top frame member was placed on top of the specimen with the rubber surfaces against the glazing. Eight C-clamps were utilized, two on each side, to secure the test specimen in between the top frame member and the bottom frame member.

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SECTION 7
TEST RESULTS

The temperature during testing was 17°C (63°F). The results are tabulated as follows:

Ball Impact Test: The test was conducted on three samples of the glazing material maintained at room temperature (70°-80°). A five-pound, 3-1/4" diameter steel ball was dropped from an elevation of 10 feet (3 m) to generate a force of 50 foot pounds (68-J). Five drops at different locations within a 5" (127 mm) diameter circle were performed in the center of the glazing samples.

Test Specimens #1-#3

Sample Number	Impact Force	Glazing Temperature	Observation	Result
One	50 Foot-Pounds (68-J)	75°F (24°C)	Glazing Fractures, No Penetration	Pass
Two	50 Foot-Pounds (68-J)	75°F (24°C)	Glazing Fractures, No Penetration	Pass
Three	50 Foot-Pounds (68-J)	75°F (24°C)	Glazing Fractures, No Penetration	Pass

Indoor Use Impact Test: The test was conducted on three samples of the glazing material conditioned to a temperature of 55°. A five-pound, 3-1/4" diameter steel ball was dropped from an elevation of 10 feet (3 m) to generate a force of 50 foot pounds (68-J). Five drops at different locations within a 5" (127 mm) diameter circle were performed in the center of the glazing samples.

Test Specimens #1-#3

Sample Number	Impact Force	Glazing Temperature	Observation	Result
One	50 Foot-Pounds (68-J)	55°F (13°C)	Glazing Fractures, No Penetration	Pass
Two	50 Foot-Pounds (68-J)	55°F (13°C)	Glazing Fractures, No Penetration	Pass
Three	50 Foot-Pounds (68-J)	55°F (13°C)	Glazing Fractures, No Penetration	Pass

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Indoor Use Impact Test: The test was conducted on three samples of the glazing material conditioned to a temperature of 95°. A five-pound, 3-1/4" diameter steel ball was dropped from an elevation of 10 feet (3 m) to generate a force of 50 foot pounds (68-J). Five drops at different locations within a 5" (127 mm) diameter circle were performed in the center of the glazing samples.

Test Specimens #1-#3

Sample Number	Impact Force	Glazing Temperature	Observation	Result
One	50 Foot-Pounds (68-J)	95°F (35°C)	Glazing Fractures, No Penetration	Pass
Two	50 Foot-Pounds (68-J)	95°F (35°C)	Slight Tear to Film, No Penetration	Pass
Three	50 Foot-Pounds (68-J)	95°F (35°C)	Slight Tear to Film, No Penetration	Pass

High-Energy Impact Test: The test was conducted on three samples of the glazing material maintained at room temperature (70°-80°). A five-pound, 3-1/4" diameter steel ball was dropped from an elevation of 40 feet (12 m) to generate a force of 200 foot pounds (270-J). One drop at the center of the glazing samples.

Test Specimens #1-#3

Sample Number	Impact Force	Glazing Temperature	Observation	Result
One	200 Foot-Pounds (270-J)	75°F (24°C)	Glazing Fractures, No Penetration	Pass
Two	200 Foot-Pounds (270-J)	75°F (24°C)	Glazing Fractures, No Penetration	Pass
Three	200 Foot-Pounds (270-J)	75°F (24°C)	Glazing Fractures, No Penetration	Pass

***General Note**: All testing was performed in accordance with the referenced standard(s).*

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SECTION 8
PHOTOGRAPHS

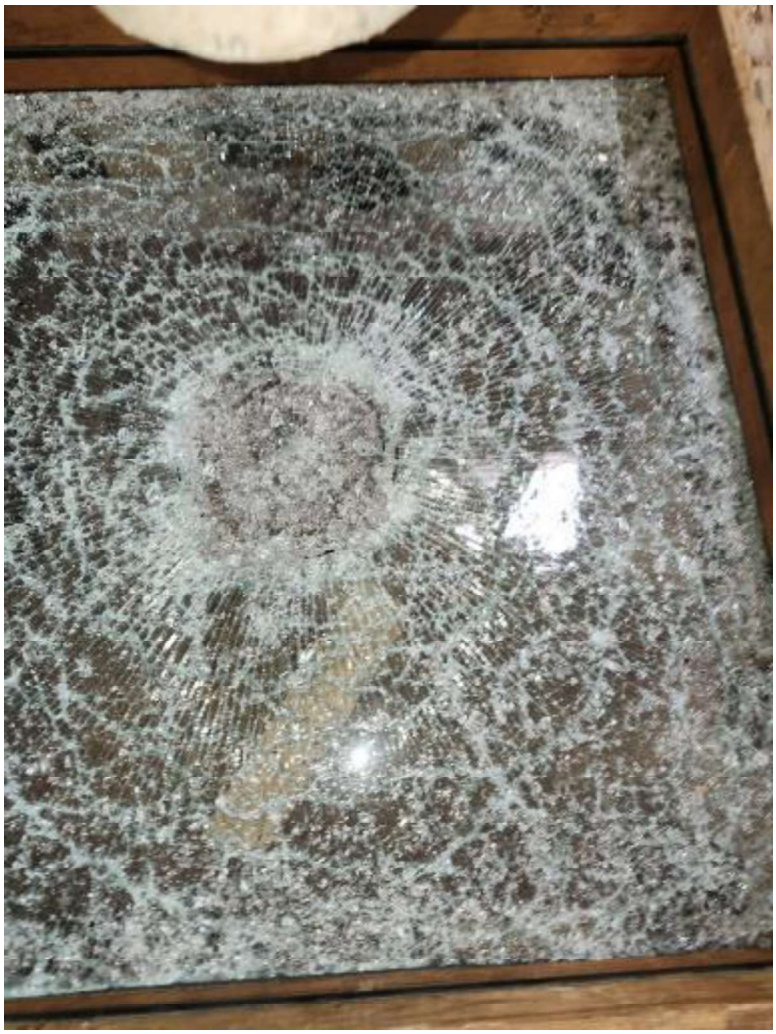

Photo No. 1
Test Specimen #1 After Impacts (Ball Impact Test)

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Photo No. 2
Test Specimen #2 After Impacts (Ball Impact Test)

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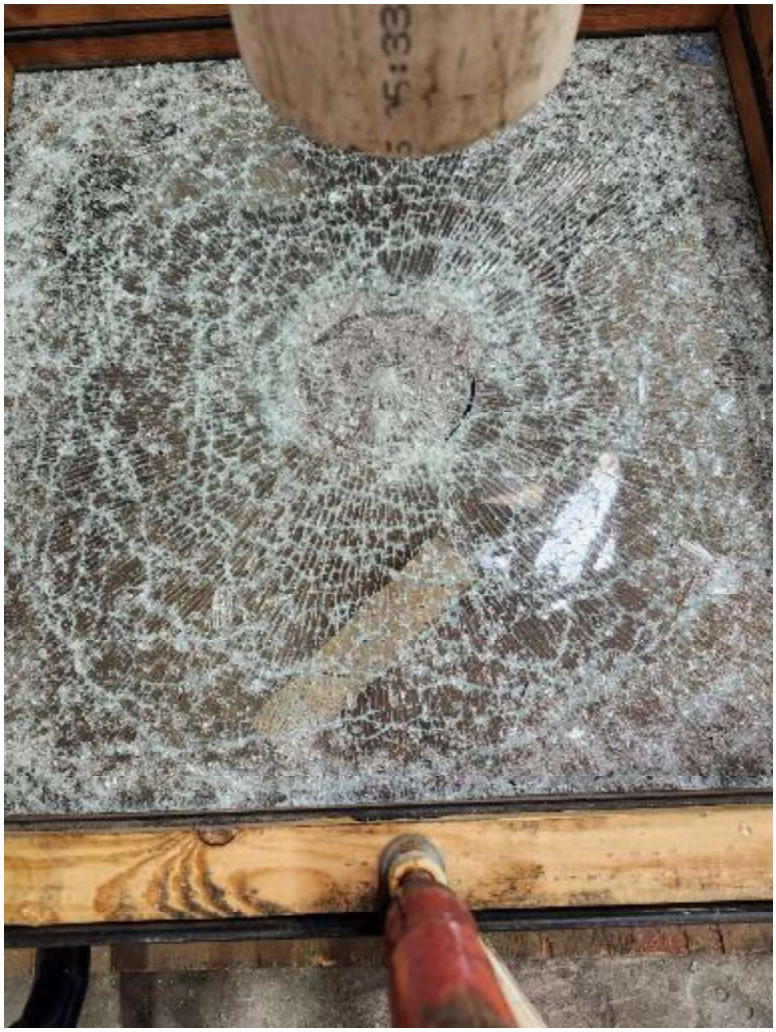

Photo No. 3
Test Specimen #3 After Impacts (Ball Impact Test)

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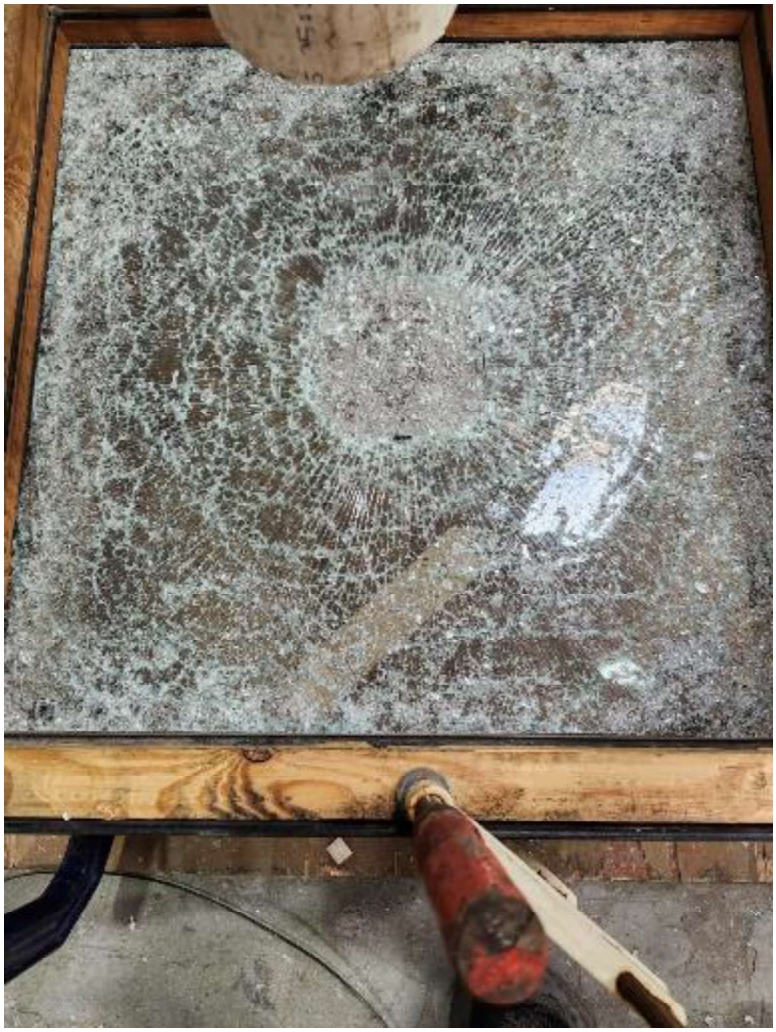

Photo No. 4
Test Specimen #1 After Impacts (Indoor Use Impact Test(55°))

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Photo No. 5
Test Specimen #2 After Impacts (Indoor Use Impact Test(55°))

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Photo No. 6
Test Specimen #3 After Impacts (Indoor Use Impact Test(55°))

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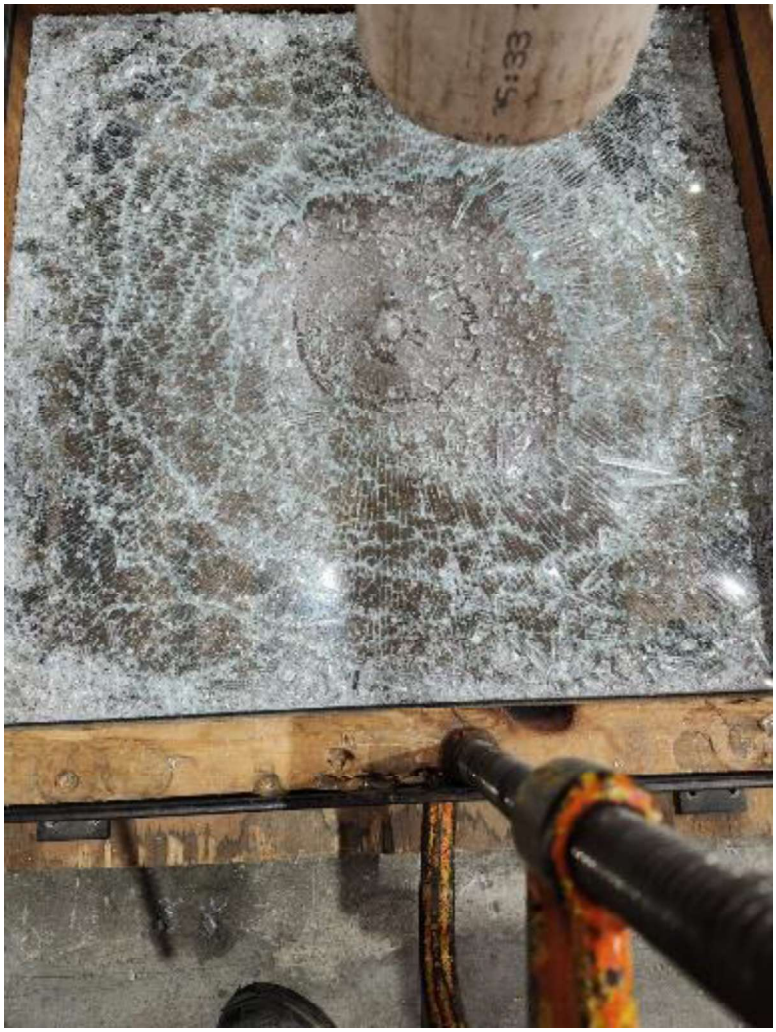

Photo No. 7
Test Specimen #1 After Impacts (Indoor Use Impact Test(95°))

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Photo No. 8
Test Specimen #2 After Impacts (Indoor Use Impact Test(95°))

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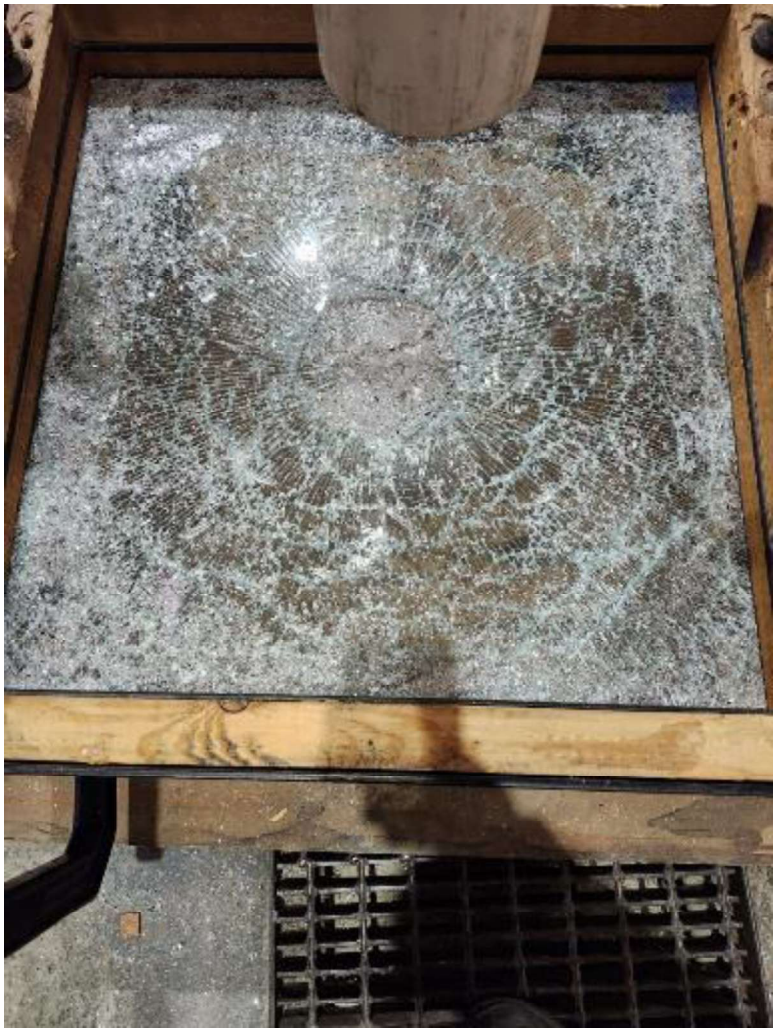

Photo No. 9
Test Specimen #3 After Impacts (Indoor Use Impact Test(95°))

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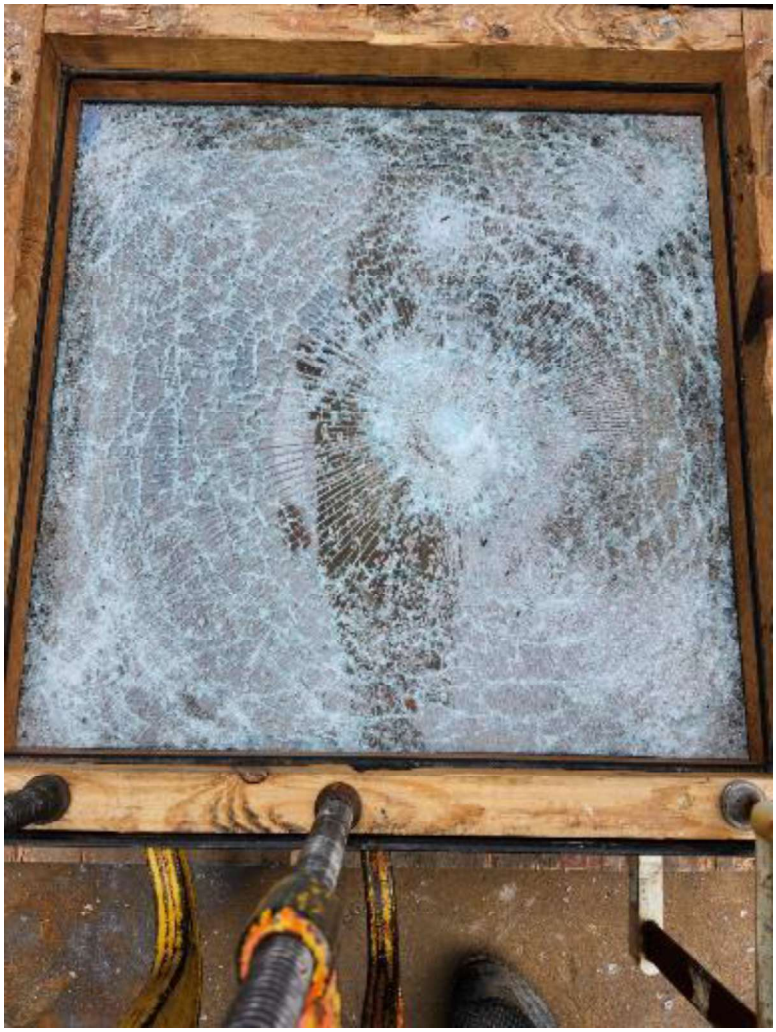

Photo No. 10
Test Specimen #1 After Impact (High-Energy Impact Test)

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Photo No. 11
Test Specimen #2 After Impact (High-Energy Impact Test)

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Photo No. 12
Test Specimen #3 After Impact (High-Energy Impact Test)

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SECTION 9
DRAWINGS

The test specimen drawings were not supplied by the client.

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SECTION 10
REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	04/22/25	N/A	Original Report Issue