



UNIVERSITY OF DAYTON RESEARCH INSTITUTE
IMPACT PHYSICS LABORATORY
 DAYTON, OHIO 45469-0116 937/229-4237

BALLISTIC TEST REPORT

Prepared For: American Glass Products Company

Test Date: 08 April 2008 Contract/Order No.: _____

Ambient Temperature: 73 °F Relative Humidity: 43 / 60 %

Test Panel Identification: American Glass Products (AGP)

Glass Sample: Formula L6433HT, NIJ L2

Nominal 20"x 20"x 21.481lb; Test IAW NIJ-STD-0108.01 Level II

Type: Multilayer Transparency Grade: Glass Laminate

Thickness (Avg.): 0.730 inch(es) Areal Density: 7.7 lbs/sq.ft.

Projectile Caliber: .357 Mag (158 G) Projectile Type: JSP, Speer #4217

Propellant Type: IMR 4227 Gun I.D.: S/N: .357 Mag. NIJLg

Witness Plate Material: 0.020" Thick 2024-T3 Bare Aluminum Sheet

Impact Obliquity: 0 degrees File Name: 1004088c & 1006138f.doc

Shot Number	Weights (Grains)		Velocity Data (ft/sec)			Penetration Description
	Projectile	Propellant	No. 1	No. 2	Average	
						CO24254-90
10-63749	157.8	16.7	1432	1431	1432	No Penetration, ULC
10-63750	157.9	16.6	1399	1398	1399	No Penetration, URC
10-63751	158.2	16.6	1451	1450	1451	No Penetration, LRC
10-63752	158.0	16.5	1392	1391	1392	No Penetration, LLC
10-63753	158.2	16.5	1392	1391	1392	No Penetration, Center
						CO24256-90
10-65086	157.8	16.4	1371	1371	1371	No Penetration, ULC
10-65087	158.0	16.4	1410	1410	1410	No Penetration, URC
10-65088	158.4	16.4	1382	1382	1382	No Penetration, LRC
10-65089	158.8	16.4	1390	1389	1390	No Penetration, LLC
10-65090	157.9	16.4	1409	1406	1408	No Penetration, Center
						CO24255-90
10-65091	158.1	16.4	1418	1417	1418	No Penetration, ULC
10-65092	158.0	16.4	1416	1413	1415	No Penetration, URC
10-65093	158.0	16.4	1421	1417	1419	No Penetration, LRC
10-65094	158.5	16.4	1428	1425	1427	No Penetration, LLC
10-65095	157.5	16.4	1370	1370	1370	No Penetration, Center

Comments: Test Criteria: Test to NIJ 0108.04 Level II, .357 Mag. only @ 1395 ± 50 fps.

Five impacts on a 200mm square with last at target center.

Panel PASSED Test Specification.

Witness: _____

Witness: _____