Close Focus Research Ballistic Testing Services Phone: 800-513-4291 Email: <u>techsupport@CloseFocusResearch.</u>					Page 1 of 2 Ballistic Report Number: BTR-03-26-2009-PO-020355 om CloseFoc				
Name:Security Metal Products CorporationAddress:5700 Hannum Avenue, Suite 250, Culver City, CA 9023Phone:Phone: 310-641-6690, cell: 562-618-5720					Conta	ct:	March 26 Roger Lar sales@sec	nge	
Ballistic Results									
Project Summary Type of Products to be tested: Test Specimen Sample size(s):	Door and 14 × 16 in		International Ballistic Standards / Specifications Testing ASTM Brunswick FRA NIJ CFR Pass A Australian Canadian Germ DIN State Dept CFR SYA British EN 1063 MIL-SAMIT V UL 752 Other						
Number of test specimens: Weight of all samples: Are Materials a Health Hazard: Need the Tests performed by:	215 lbsTest Standard:UL 752NoParticular Test:UL Level						UL 752 UL Level		— 7.62 NATO FMJ)
Need products shipped back: Purchase Order Number:	Yes Number of Shots: 5 shots PO-020355 Spacing / Pattern: 4.5 inch								
Test Results Product Number: Sample Type: Sample Size: Thickness: Weight: Weapon Type: Cartridge / Projectile Type: Projectile Weight: Target Distance:	BR-8 - Sample 1 Door and Frame Assembly 14 x 16 inch 6 inches 14 ind 41 lbs 7.62 Rifle 7.62 x 51 NATO / M80 FMJ 150 gr 15 ft						14 incł		Shot 1 Shot 2 E F B Shot 7 H Shot 5 G Shot 7 Shot 4 Shot 3
Particular Test:	UL Level 8 (.30 cal. 7.62 NATO FMJ)						Frame	e shots	16 inch
Number of Shots:	5 shots		tion						
Shot Sequence:	Shot 1	Shot 2	Shot 3	Shot 4	Shot 5		Shot 6	Shot 7	
Impact Velocity (ft/sec) *:	2,805	2,828	2,825	2,830	2,769		2,821	2,828	
Impact Energy (ft-lbs):	2,620	2,663	2,658	2,667	2,553		2,650	2,663	
Impact Momentum (lb-sec.)		1.88	1.88	1.88	1.84		1.88	1.88	
Impact Angle (degrees): Penetration Effect:	0 ° NP	0 ° NP	0 ° NP	0 ° NP	0 ° NP		0 ° NP	0 ° NP	
Witness plate material:	Witness plate material: 0.125 in. thick corrugated cardboard							Impac	t Spacing (inches)
Witness Plate Distance: Spall Occurrence: Test Temperature:	18 inches None 74 °F							 A 3.90 B 4.38 C 4.50 C 9.75 	Average 4.13
Test Date: Comments:	March 26, 2009NP = No PenetrationPassed the TestCP = Complete Penetration							D 3.75 E 1.90 F 3.13	Average
Comments and Test Descriptions * Velocity measurements		n at a dis [.]	tance of 6	.6 ft from	muzzle			G 3.75 H 2.75	2.88
Test and Report Engineers									

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Security Metal Products Corporation Name:

Ballistic Test Results and Photographs

Ballistic Test Results:

The Door and Frame Assembly sample passed the UL Level 8 (.30 cal. 7.62 NATO FMJ) Ballistic test. Ten (10) additional shots were taken to verify both the structural integrity and extra ballistic resistance performance of the sample.

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Projectile Penetration Effects:

There was no partial or complete projectile penetration of the Door and Frame Assembly sample for all 17 shots.

Witness Plate and Spall Effects:

No spall was observed and no damage occurred to the 0.125 in. thick corrugated cardboard witness plate.

Photographs

The following photographs show both the pre and post-test Transparent Armor Window. Additional larger sized photographs are included with this report.

Sample 1 - UL752 Level 8 (7.62 NATO) Door and Frame Assembly - 16 x 14 x 6 in.





Sample 1 Pre Test Impact Side Sample 1 Pre Test Rear Side



Sample 1 Post Test Impact Side Sample 1 Post Test Rear Side

Sample 1 Post Test Rear Side

Signature: Sam Wilson





Test and Report Engineers

Tested and Reported by: Sam Wilson

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Sample 1 Pre Test Impact Side



Date: March 26, 2009

Sample 1 Pre Test Rear Side

Sample 1 Post Test Impact Side

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Report Date: March 26, 2009

Ballistic Test Report