							NCE		-	
NTS-Chesape 4603B Compass Poin Belcamp, MD 21017		Testin	g							Client: Bullistic Barriers Job No.: 21493-001-1 Test Date: 2/20/2020
Test Panel	[	Descriptio	on: Ballist	ic Fence C	lass2.					
Manufacturer: Bu	ullistic	Barriers				Sample No	.: 12ga Sl	ug/Bucks	hot Cla	ss 2Fence
S Avg. Th Thickne	nick: N	See Remai NA NA	rks			Veight: See inates: NA	Remarks			eceived: 2/20/2020 Via: Hand Carried eturned: Hand Carried
Setup										
Shot Spacing: UL-752 Shotgun Witness Panel: .125 in Cardboard Backing Material: NA Condition: AmbientPrimary Vel. Screens (ft): 5.000, 5.333, 9.667, 10.000 Primary Vel. Location (ft): 7.500 Range to Target (ft): 15.000 Target to Witness (in): 18.000Range No.: 6 Temp: 64.7°F BP: 30.3inHg RH: 26.9% Barrel/Gun: Test Barrel Gunner: AdamBeach Recorder: Jacob Arisma										
Ammunition				·						
Р	rojecti	ile			Lot	No.				Powder
<ol> <li>12-gauge, 3 in</li> <li>12-gauge, 2 3</li> </ol>						hester ington				Factory load Factory load
Applicable S		-		dures						
(1) UL-752 Shotgu	ın									
2) Customer requisitories (2) Customer (2) Customer requisitories (2) Customer (2) Custo		Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetrat		oliq. (°)	Footnotes
2 1 N 3 1 N	A A A A	2801 2833 2804 3627	1785 1765 1783 1379	2421 2438 2425 3136	1790 1777 1787 1382	1787 1771 1785 1380	None         0.0           None         0.0           None         0.0           None         0.0           None         0.0           None         0.0			
Remarks: Required velocity Required velocity No sample measur	for Bu	ckshot: 12	200-1320ft		1	1	1	I		1



	BALLISTIC RESISTANCE TEST												
4603B		Point Roa	e Testin	Ig							Client: Bullistic Barriers Job No.: 21493-001-3 Test Date: 2/20/2020		
Tes	t Pane	əl	Descriptio	on: Ballist	ic Fence	e Class 2.		_					
Manu	facture	r: Bullisti	ic Barriers				Sample No	<b>.:</b> 180gr S	P Class	s 2Fence			
		Size: 1 g. Thick: 1 ickness:		ks		Weight: See Remarks Plies/Laminates: NA Date Received: 2/20/2020 Via: Hand Carried Returned: Hand Carried							
Set	up								1				
Shot Spacing:UL Level 4Primary Vel. Screens (ft):5.000, 5.333, 9.667, 10.000Range No.:6Backing Material:NAPrimary Vel. Location (ft):7.500BP:30.3 inHgCondition:AmbientRange to Target (ft):15.000BH:27.0%Target to Witness (in):18.000Barrel/Gun:Test BarrelGunner:Adam BeacAdam BeacAdam BeacAmmunitionFFFF													
Am	munit	ion			I								
		Projec	tile				_ot No.				Powder		
(1) .	30-06-ca	I., 180-gr	ainLCSP				Sierra				N133		
Арр	licabl	e Stan	dards o	rProce	dures								
• •	IL-752 Le Sustomer	evel 4 Frequest											
Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	2 Vel. 2 (ft/s		Penetrat	ion	Obliq. (°)	Footnotes		
1	1	180.0	1942	2575	1678	2582	2579	None		0.0	(a)		
	ired velo		0-2794ft/s nts due to s	samplecon	structio	n.	1	1	I				
	notes: not impa	cted thes	seam.										



	BALLISTIC RESISTANCE TEST												
4603E		- Point Road	e Testir	Ig							Client: Bullistic Barriers Job No.: 21493-001-4 Test Date: 2/20/2020		
Tes	t Pane	əl	Description	on: Ballist	ic Fence C	Class2.							
Manu	Ifacture	r: Bullisti	c Barriers				Sample No	.: M80 LV	L 5 Cla	ss 2Fence			
		Size: 9 g. Thick: 1 ickness:	See Remarl NA NA	ks			Weight: See I ninates: NA	Remarks			eceived: 2/20/2020 Via: Hand Carried eturned: HandCarried		
Set	Setup												
Shot Spacing: UL-752 Level 5 Witness Panel: .125 in Cardboard Backing Material: NA Condition: AmbientPrimary Vel. Screens (ft): 5.000, 5.333, 9.667, 10.000 Primary Vel. Location (ft): 7.500 Range to Target (ft): 15.000 Target to Witness (in): 18.000Range No.: 6 Temp: 64.7°F BP: 30.3inHg Range to Target (ft): 15.000 Barrel/Gun: Test Barrel Gunner: Adam Beach Recorder: Jacob ArismAmmunition													
Am	munit	ion											
		F	Projectile				Lot No.				Powder		
(1) 7	(1) 7.62 x 51-mm, 150-grain M80 FMJ copperjack						Military				N133		
Арр	licabl	le Stan	dards o	rProce	dures								
	IL-752 Le Iustomer	evel 5 r request											
Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetrat	ion	Obliq. (°)	Footnotes		
1	1	147.8	1766	2831	1527	2838	2835	None		0.0			
Requ	Remarks: Required velocity: 2750-3025ft/s No sample measurements due to sampleconstruction.												
<u>Foot</u> ı	<u>iotes:</u>												



			В		STI	C RES	ISTAI	NCE	TE	ST			
4603E		- Point Road	e Testin	Ig							Client: Bullistic Barriers Job No.: 21493-001-5 Test Date: 2/20/2020		
Tes	t Pane	el	Descriptio	on: Ballist	ic Fence	Class2.							
Manı	Ifacture	r: Bullisti	c Barriers				Sample No.	.: M80 LV	L 8 Cla	ss 2Fence	2		
		Size: g. Thick: ickness:	See Rema NA NA	rks			Veight: See F inates: NA	Remarks			eceived: 2/20/2020 Via: Hand Carried eturned: HandCarried		
Set	up				· · ·								
Ва	Shot Spacing: UL-752 Level 8 Witness Panel: .125 in Cardboard Backing Material: NA Condition: AmbientPrimary Vel. Screens (ft): 5.000, 5.333, 9.667, 10.000 Primary Vel. Location (ft): 7.500 Range to Target (ft): 15.000 Target to Witness (in): 18.000Range No.: 6 Temp: 64.9°F BP: 30.3inHg BH: 26.7% Barrel/Gun: Test Barrel Gunner: Adam Beach Recorder: Jacob ArismanAmmunition												
Am	munit	ion			·					·			
		P	rojectile				Lot No.				Powder		
(1) 7	7.62 x 51	-mm, 150	-grain M80	FMJ coppe	erjacket		Military				N133		
Арр	olicabl	le Stan	dards o	rProce	dures								
	JL-752 Le Lustomer	evel 5 <sup>-</sup> request											
Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetrat	ion	Obliq. (°)	Footnotes		
1       1       147.7       1779       2811       1534       2825       2818       None       0.0         2       1       147.7       1781       2807       1539       2816       2812       None       0.0         3       1       148.2       1771       2823       1530       2832       2828       None       0.0         4       1       147.4       1771       2823       1530       2832       2826       None       0.0         5       1       147.5       1771       2823       1530       2832       2828       None       0.0											(a)		
No sa	ired velo ample me notes:		0-3025ft/s nts due to s seam.	samplecon	struction		1	1			1		



			В		STIC	C RES	SISTA	NCE	TES	Т				
46031		Point Roa	e Testin	Ig							Client: Bullistic Barriers Job No.: 21493-001-6 Test Date: 2/20/2020			
Tes	t Pane	el	Descriptio	on: Ballist	ic Fence (	Class2.		1						
Manı	ufacture	r: Bullisti	ic Barriers				Sample No	.: M193 C	lass 2Fe	nce				
		Size: g. Thick: ickness:	See Rema NA NA	rks			Weight: See ninates: NA	Remarks			Received: 2/20/2020 Via: Hand Carried Returned: Hand Carried			
Set	up								I					
Ва	Shot Spacing: UL-752 Level 7 Witness Panel: .125 in Cardboard Backing Material: NA Condition: AmbientPrimary Vel. Screens (ft): 5.000, 5.333, 9.667, 10.000 Primary Vel. Location (ft): 7.500 Range to Target (ft): 15.000 Target to Witness (in): 18.000Range No.: 6 Temp: 65.3°F BP: 30.3inHg RH: 27.2% Barrel/Gun: Test Barrel Gunner: Adam Beach Recorder: Jacob ArismanAmmunition													
Am	munit	ion			i									
		Projec	tile			Lot	t No.				Powder			
(1) 5	.56 x 45-	mm, 55-g	rain M193	Ball		Mil	itary				N 110			
App	olicab	e Stan	dards o	r Proce	dures									
1 X Z	JL-752 Le Customer	evel 7 Frequest												
Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetrat	ion C	)bliq. (°)	Footnotes			
1 2 3 4 5	1 1 1 1	54.8 54.8 54.6 54.8 54.7	1581 1588 1578 1571 1574	3163 3149 3169 3183 3177	1366 1373 1366 1359 1359	3172 3156 3172 3189 3189	3167 3152 3170 3186 3183	None0.None0.None0.None0.		0.0 0.0 0.0 0.0 0.0 0.0	(a)			
Requ No sa	<u>Remarks:</u> Required velocity: 3080-3388ft/s No sample measurements due to sampleconstruction.													
	<u>notes:</u> hot impa	cted the	seam.											



			B	ALL	ISTIC	C RES	SISTA	NCE	TES	ST		
4603E		Point Roa	e Testir	ng							Client: Bullistic Barriers Job No.: 21493-001-7 Test Date: 2/20/2020	
Tes	t Pane	el	Descripti	on: Ballist	ic Fence	Class 1						
Manı	Ifacture	r: Bullist	ic Barriers				Sample No	.: UL LVL	19mm			
	Av Th	Size: g. Thick: ickness:	See Rema NA NA	rks			Weight: See ninates: NA	Remarks			cceived: 2/20/2020 Via: Hand Carried turned: HandCarried	
Set	up								I			
Shot Spacing: UL-752 Level 1 Witness Panel: .125 in Cardboard Backing Material: NA Condition: AmbientPrimary Vel. Screens (ft): 5.000, 5.333, 9.667, 10.000 Primary Vel. Location (ft): 7.500 Range to Target (ft): 15.000 Target to Witness (in): 18.000Range No.: 6 Temp: 60.2°F BP: 30.3 inHg RH: 24.3% Barrel/Gun: Test Barrel Gunner: Adam Beach Recorder: Jacob ArismanAmmunition												
Am	munit	ion										
		Projec	tile			Lo	t No.				Powder	
(1) 9	)-mm, 12	4-grainFl	٨J			Reming	ton 23558			Ac	curate No. 2	
Арр	olicabl	e Stan	dards o	rProce	dures							
	JL-752 Le Customer	evel 1 request										
Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetrat	ion	Obliq. (°)	Footnotes	
1 2 3	1 1 1	124.5 125.1 124.5	4093 4093 4088	1222 1222 1223	3536 3534 3531	1225 1226 1227	1224 1224 1225	None None None		0.0 0.0 0.0	(a)	
	ired velo		5-1292ft/s nts due to		struction				I	1		
	<u>notes:</u> not impa	cted the	seam.									



			В		ISTIC	C RES	SISTA	NCE	TEST					
46031		Point Roa	e Testir	g						Client: Bullistic Barriers Job No.: 21493-001-8 Test Date: 2/20/2020				
Tes	t Pane	əl	Description	on: Ballist	ic Fence C	lass 1.		1						
Manu	ufacture	r: Bullisti	ic Barriers				Sample No	.: UL LVL	2 .357Mag					
		Size: g. Thick: ickness:		rks			Weight: See hinates: NA	Remarks		Received: 2/20/2020 Via: Hand Carried Returned: Hand Carried				
Set	up													
Ва	Shot Spacing: UL-752 Level 2 Witness Panel: .125 in Cardboard Backing Material: NA Condition: AmbientPrimary Vel. Screens (ft): 5.000, 5.333, 9.667, 10.000 Primary Vel. Location (ft): 7.500 Range to Target (ft): 15.000 Target to Witness (in): 18.000Range No.: 6 Temp: 64.0°F BP: 30.2 inHg RH: 28.6% Barrel/Gun: Test Barrel Gunner: Adam Beach Recorder: Jacob ArismanAmmunition													
Am	munit	ion			·				· · · · ·					
		Projec	tile			Lot	t No.			Powder				
(1) .	(1) .357-mag., 158-grainJSP					Remingt	ton 22847		۵	Accurate No. 2				
Арр	olicab	e Stan	dards o	rProce	dures									
	JL-752 Le Customer	evel 2 request												
Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetrat	ion Obliq. (°)	Footnotes				
1 2 3	1 1 1	158.3 158.1 158.7	3710 3714 3710	1348 1346 1348	3202 3209 3202	1353 1350 1353	1351 1348 1351	None None None	0.0 0.0 0.0	(a)				
	ired velo		0-1375ft/s nts due to	samplecon	struction.									
	notes: hot impa	cted the s	seam.											



4603E	3 Compass	Point Road	e Testir	ng							Client: Bullistic Barriers Job No.: 21493-001-9
	mp, MD 2		Descripti	on: Ballist	ic Fence C	lass 1					Test Date: 2/20/2020
			ic Barriers				Sample N	o.: UL LVL	3.44	lag	
		Size: g. Thick: ickness:		rks			Weight: See ninates: NA				ceived: 2/20/2020 Via: Hand Carried curned: Hand Carried
Set	ир										
Recorder: Jacob Arisi											Temp: 63.5 °F BP: 30.2 inHg RH: 28.7%
Am	munit	ion									
		Projec	tile			Lo	t No.				Powder
		, 240-grai				Rim Roo	ck Bullets				HP-38
•••			dards o	rProce	dures						
	JL-752 Le Customer	evel 3 Frequest									
Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetrati	on	Obliq. (°)	Footnotes
1 2 3	1 1 1	240.6 239.8 239.4	3504 3492 3500	1427 1432 1429	3024 3014 3021	1433 1438 1434	1430 1435 1431	None None		0.0 0.0 0.0	(a)
Requ			0-1485ft/s nts due to	samplecon	struction.	1	,		1	I	



## **BALLISTIC RESISTANCE TEST**

NTS-Chesapea 4603B Compass Point Ro		ng							Client: Bullistic Barriers Job No.: 21493-001-10
Belcamp, MD 21017									Test Date: 2/20/2020
Test Panel	Descripti	on: Ballist	ic Fence C	lass1.					
Manufacturer: Bullis	tic Barriers				Sample No	b.: UL LVL	69mm		
Size Avg. Thick Thickness:	: See Rema : NA NA NA	rks			Weight: See ninates: NA		C		ceived: 2/20/2020 Via: Hand Carried turned: HandCarried
Setup									
Shot Spacing: Witness Panel: Backing Material: Condition:	.125 in Caro NA			Primary Vel. Screens (ft): 5.000, 5.333, 9.667, 10.000 Primary Vel. Location (ft): 7.500 Range to Target (ft): 15.000 Target to Witness (in): 18.000 Barrel/Gun: Test Barrel Gunner: Adam Beach Recorder: Jacob Arism.					
Ammunition									
Proj	ectile			Lot	t No.				Powder
(1) 9-mm, 124-grain	FMJ			Reming	ton 23558			Ac	curate No. 2
Applicable Sta	ndards o	or Proce	dures						
<ul><li>(1) UL-752 Level 6</li><li>(2) Customer reques</li></ul>	:								
Shot No. Ammo Weight (gr)	Time 1 (μs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Penetrat		.iq. ')	Footnotes
1         1         124.5           2         1         124.5           3         1         124.5           4         1         124.5           5         1         124.5           6         1         124.6	3602 3458 3504 3446 3495 3490	1388 1446 1427 1451 1431 1433	3109 2985 3028 2975 3019 3011	1394 1452 1431 1457 1435 1439	1391 1449 1429 1454 1433 1436	None None None None None	0 0 0 0		(a) (b) (c)
Remarks: Required velocity: 14 No sample measurem Footnotes: (a) ) Projectile had ir	ents due to	samplecon	struction.		<u> </u>				



				BALI	_IST	IC F	RE	SIST	ANC	Έ	TES	Г	
4603		sapea ss Point Rc 21017		sting									t: Bullistic Barriers LLC Project No.: PR146272-1 Test Date: 09/15/2021 Page 1 of 1
Te	st Par	nel Des	cription	: Louver									
Man	ufactur	er: Bullis	tic Barrie	er		:	Samp	le No.: L	ouver-M80	) CJLC	:		
	. Thickr	Size: 30.5 ess: N/A sses: N/A		in	Pl	lies/Lam		nt: 37.220 es: N/A	) lbs		Rec	eived Via	d: 09/15/2021 a: Hand Carried a: Hand Carried
Set	tup												
Shot Spacing: Customer Request Witness Panel: .125 in Cardboard Backing Material: N/A Condition: AmbientPrimary Vel. Screens (ft): 5.000, 5.333, 9.666, 10.000 Primary Vel. Location (ft): 7.500 Range to Target (ft): 15.000 Target to Witness (in): 18.000Range No.: Range 6 Temp: 66.9 °F BP: 29.9 inHg Barrel/Gun: WC024531 Gunner: Brennan Heuer Recorder: Jesse Fulk													
Am	muni	tion											
		Proje	ctile				Lc	ot No.				F	Powder
(1)	7.62 x !	51-mm, 1	50-grain	M80 CJLC			Mi	ilitary					N133
Ар	plicat	ole Sta	ndard	s or Pro	cedure	es							
(1) (	Custome	er Reques	st						1				
Shot No.	Ammo	Powder/ Seating	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time (µs)	-	Vel.2 (ft/s)	Avg. Vel. (ft/s)	Pe	netration	Obliq. (°)	Footnotes
1 2	1 1	42.5 42.5	148.9 148.6	1776 1761	2815 2839	1539 1525		2815 2841	2815 2840		None None	0.0 0.0	(a) (b)
	i <u>arks:</u> uired ve	locity: 2	750-3025	ft/s.									
(a) 1	tnotes: Shot im Shot im	pacted or pacted on	the flat the very	surface of edge/sear	the louv n of the	ver. louver.	•						



				BAL	LIS	STIC	R	ESIST	ANC	Έ	TES	т	
4603		e <b>sapea</b> l ss Point Ro 21017		ting									nt: Bullistic Barriers LLC Project No.: PR146272-2 Test Date: 09/15/2021 Page 1 of 1
Те	st Par	nel Des	cription:	Louver						•			
Mar	ufactur	er: Bullist	tic Barrie	r			San	mple No.: L	ouver44	Mag S	WCGC		
	. Thickn	Size: 30.5 less: N/A sses: N/A		in		Plies/La		ight: 37.220 ates: N/A	) lbs		Re	ceived Vi	d: 09/15/2021 a: Hand Carried a: Hand Carried
Se	tup												
Shot Spacing: Customer Request Witness Panel: .125 in Cardboard Backing Material: N/A Condition: AmbientPrimary Vel. Screens (ft): 5.000, 5.333, 9.666, 10.000 Primary Vel. Location (ft): 7.500 Range to Target (ft): 15.000 Target to Witness (in): 18.000Range No.: Range 6 Temp: 66.9 °F BP: 29.9 inHg RH: 50.5 % Barrel/Gun: WC024531 Gunner: Brennan Heuer Recorder: Jesse Fulk													
An	nmuni	tion									I		
		Proje	ctile					Lot No.					Powder
	(1) .44	-mag., 24	0-grain	SWCGC			F	Rim Rock				Αссι	urate No. 5
Ар	plicat	ole Sta	ndard	s or Pro	ced	ures							
(1)	Custome	er Reques	it										
Shot No.	Ammo	Powder/ Seating	Weight (gr)	Time 1 (µs)	Vel. (ft/		-	Vel.2 (ft/s)	Avg. Vel. (ft/s)	Per	netration	Obliq. (°)	Footnotes
1 2	1	11.0 11.0	241.5 242.1	3548 3517	140 142			1417 1429	1413 1425		None None	0.0 0.0	(a) (b)
	h <u>arks:</u> uired ve	elocity: 13	350-1485	ft/s.	1	<b>I</b>							
(a)				surface o edge/sea			er.						



				BAL	LIST	IC F	RE	SIST	ANC	Έ	TES	т		
4603		e <b>sapea</b> ss Point Ro 21017		ting									t: Bullistic Barriers LLC roject No.: PR146272-3 Test Date: 09/15/2021 Page 1 of 1	
Te	st Par	nel Des	cription:	Louver						•				
Man	ufactur	er: Bullis	tic Barrie	r		!	Samı	ple No.: L	ouver-M19	93				
	Thickn	Size: 30.5 less: N/A sses: N/A		in	Pl	v. ies/Lam		ht: 37.220 es: N/A	) lbs		Re	ceived Via	: 09/15/2021 : Hand Carried :: Hand Carried	
Set	up				<b>I</b>									
Shot Spacing: Customer Request Witness Panel: .125 in Cardboard Backing Material: N/A Condition: AmbientPrimary Vel. Screens (ft): 5.000, 5.333, 9.666, 10.000 Primary Vel. Location (ft): 7.500 Range to Target (ft): 15.000 Target to Witness (in): 18.000Range No.: Range 6 Temp: 66.8 °F BP: 29.9 inHg RH: 48.7 % Barrel/Gun: WC024531 Gunner: Brennan Heuer Recorder: Jesse FulkAmmunition														
АП	muni		stilo					ot No.				D	owder	
	(1) 5.56	Proje x 45-mm		n M193				Ailitary					N 110	
Ар	plicat	ole Sta	ndard	s or Pro	cedure	es								
(1) (	Custome	er Reques	st											
Shot No.	Ammo	Powder/ Seating	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time (µs)		Vel.2 (ft/s)	Avg. Vel. (ft/s)	Pe	netration	Obliq. (°)	Footnotes	
1 2	1 1	18.6 18.6	55.0 55.0	1574 1554	3177 3218	1361 1346		3184 3219	3180 3218					
Request for the format of the format oo the format oo the format oo the format oo the	<u>notes:</u> Shot imp		the flat	ft/s. surface of edge/sea										



		BA	LLI	ST	IC F	RE	ESIST		Έ	TES	ST	
NTS-Chesa 4603B Compass Po Belcamp, MD 210	oint Road	esting										nt: Bullistic Barriers LLC Project No.: PR146272-4 Test Date: 09/15/2021 Page 1 of 1
Test Panel	Descripti	on: Propri	etary									
Manufacturer:	Bullistic Ba	rier				Sam	nple No.: L	VL 3- 2.0				
Size Avg. Thickness Thicknesses	: 17.25 x 1 : 2.417 in : 2.429 in, 2.408 in,	2.419 in,		Pli			ght: 27.530 tes: N/A	) lbs		F	Received Vi	d: 09/15/2021 a: Hand Carried ia: Hand Carried
Setup												
Witness Pa Backing Mater		Cardboar			mary Ve Rang	el. L ge to	Screens (fi ocation (fi Target (fi Witness (ir	9.666, t): 7.500 t): 15.000			Ten I F Barrel/Gu Gunn	o.: Range 6 np: 67.0 °F 3P: 29.9 inHg RH: 54.5 % un: WC024531 er: Brennan Heuer er: Jesse Fulk
Ammunitic	n											
	Projectile						Lot No.					Powder
(1) 7.62 x 51-n	nm, 150-gr	ain M80 C	JLC			I	Military				N	orma 202
Applicable	Standa	rds or P	roce	dure	S							
(1) UL 752 Leve (2) Customer R												
	vder/Weig ating (gr			el. 1 ft/s)	Time (µs)		Vel.2 (ft/s)	Avg. Vel. (ft/s)	Pe	enetratio	on Obliq. (°)	Footnotes
	2.6     148       2.6     148			2804 2818	154		2806 2819	2805 2819		None None	0.0 0.0	
Remarks: N/A Footnotes: N/A												

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	BALLISTIC RESISTANCE TEST												
4603		esapeal ss Point Ro 21017		sting								nt: Bullistic Barriers LLC Project No.: PR146272-5 Test Date: 09/15/2021 Page 1 of 1	
Te	st Par	nel Des	cription	Proprieta	у								
Man	ufactur	er: Bullist	ic Barrie	r		Si	ample No.: L	VL 3-2.0-M	193				
	. Thickr	Size: 17.2 ness: 2.41 sses: 2.42 2.40	7 in	19 in,	Pl		eight: 27.530 nates: N/A	) lbs		Ree	ceived Vi	d: 09/15/2021 a: Hand Carried ia: Hand Carried	
Set	tup												
Bad	Witness cking Ma	pacing: C S Panel: . Aterial: N ndition: A	25 in Ca  /A			mary Vel Range	el. Screens (f Location (f to Target (f to Witness (ir	9.666, t): 7.500 t): 15.000		0	Ten I F Garrel/Gu Gunn	o.: Range 6 np: 67.0 °F 3P: 29.9 inHg RH: 50.6 % un: WC024531 er: Brennan Heuer er: Jesse Fulk	
Am	muni	ition			<b>I</b>								
		Proje	ctile				Lot No.					Powder	
	(1) 5.56	x 45-mm	, 55-grai	in M193			Military					N 110	
Ар	plicat	ole Sta	ndard	s or Pro	cedure	es.							
1 ` '	UL 752 I Custome	Level 7 er Reques	t										
Shot No.	Ammo	Powder/ Seating	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	2 Vel.2 (ft/s)	Avg. Vel. (ft/s)	Pen	etration	Obliq. (°)	Footnotes	
1 2													
	u <u>arks:</u> uired ve	elocity: 30		I I			1						
Foot N/A	notes:												

Г



4603E		- Point Roa	e Testir	ng							Job No.:	Barriers LLC 21493-002- 12/31/2020
Tes	t Pane	el	Description	on: Rigid A	Armor.							
Manu	ıfacture	r: Bullist	ic Barriers				Sample No	.: Class 1	·31320 (9m	m)		
		g. Thick:	30.00 x 24. 0.973 in 0.977 in; ( 0.974 in;	).967 in;			Weight: 45.8 ninates: NA	4 lbs	D		ived: 12/3 Via: FedEx rned: FedE	[
Set	up											
Ва	Witness cking Ma					imary Vel. Range	. Screens (ft) Location (ft) to Target (ft) Witness (in)	9.667, ): 7.500 ): 15.000		Barrel	e No.: 6 Temp: 68. BP: 30. RH: 37. I/Gun: Test unner: M. 9 order: J.Fr	0 inHg 0% Barrel Skrocki
Am	munit	ion										
		Projec	tile			Lo	t No.			Р	owder	
(1) 9	)-mm, 12	4-grain F	MJ			Rem	ington			Accu	rate No. 2	
App	olicabl	e Stan	dards o	r Proce	dures							
	JL- 752 L Customei	evel 6 request										
Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Ρ	enetration		Obliq. (°)	Footnote
1 2 3 4 5	1 1 1 1	124.0 124.0 124.0 124.0 124.0	3446 3343 3317 3331 3280	1451 1496 1507 1501 1524	2989 2902 2877 2889 2848	1450 1493 1506 1500 1522	1450 1494 1507 1500 1523		None None None None None		0.0 0.0 0.0 0.0 0.0	
	a <u>rks:</u> ired velo	<u> </u>			<u> </u>	<u> </u>	1	<u> </u>				1



4603E		Point Roa	e Testir	ng					C		Barriers LLC 21493-002-2 12/31/2020
Tes	t Pane	əl	Descripti	on: Rigid A	Armor.						
Manı	ufacture	r: Bullisti	c Barriers				Sample No.	: Class 1-3	1320 (44 SWC	GC)	
		g. Thick:	30.00 x 24. 0.973 in 0.977 in; ( 0.974 in;	).967 in;			Weight: 45.84 iinates: NA	4 lbs		Received: 12/3 Via: FedEx Returned: FedE	(
Set	up										
Ва	Witness acking Ma					imary Vel. Range t	. Screens (ft) Location (ft) o Target (ft) o Witness (in)	9.667, 10 : 7.500 : 15.000	0.000	Range No.: 6 Temp: 68. BP: 30. RH: 36. arrel/Gun: Test Gunner: M. Recorder: J.F	.2 inHg 0% Barrel Skrocki
Am	munit	ion									
		Projec				Lot	No.			Powder	
		, 240-grai				Rim Roo	k Bullets			HP-38	
App	olicabl	e Stan	dards o	r Proce	dures						
	JL- 752 L Customer	evel 3 request									
Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Per	netration	Obliq. (°)	Footnotes
1 2 3	1 1 1	240.0 240.0 240.0	3465 3507 3458	1443 1426 1446	3009 3028 3002	1440 1431 1443	1442 1428 1445		None None None	0.0 0.0 0.0	
Rema		ocity: 135	0-1485 ft/s	<u> </u>	1	1	1	L		I	



			B	ALL	ISTIC	C RES	ISTA	NCE	TEST	Г		
4603B		Point Roa	e Testir	ng						Clier		3arriers LLC 21493-002-3 12/31/2020
Tes	t Pane	el	Description	on: Rigid A	Armor.							
Manu	Ifacture	r: Bullist	ic Barriers				Sample No	.: Class 1-	31320 (35	7 Mag)		
		g. Thick:	30.00 x 24. 0.973 in 0.977 in; 0 0.974 in;	).967 in;			Weight: 45.8 Iinates: NA	4 lbs	D		eived: 12/3 Via: FedEx rned: FedE	
Set	up				I							
	Witness cking Ma					rimary Vel. Range t	. Screens (ft) Location (ft) to Target (ft) Witness (in)	9.667, ): 7.500 ): 15.000		Barre G	ge No.: 6 Temp: 68. BP: 30. RH: 34. I/Gun: Test unner: M. 9 corder: J.Fu	0 inHg 0% Barrel Skrocki
Am	munit	ion										
		Projec	tile			Lot	No.			F	Powder	
(1) .	357-mag	., 158-gra	ain JSP			Rem	ington			Accı	irate No. 2	
(1) L	JL- 752 L		dards o	r Proce	dures							
Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	P	enetration		Obliq. (°)	Footnotes
1 2 3	1 1 1	158.0 158.0 158.0	3785 3880 3915	1321 1289 1277	3285 3368 3400	1319 1287 1275	1320 1288 1276		None None None		0.0 0.0 0.0	
<u>Rema</u> Requ	a <u>rks:</u> ired velo	ocity: 125	0-1375 ft/s	•	1	1	1	1			1	1
<u>Footr</u>	notes:											



			B	ALL	ISTI	C RES	SISTA	NCE	TEST		
4603B		- Point Roa	e Testir	ng					Cl		Barriers LLC 21493-002-5 12/31/2020
Tes	t Pane	el	Descripti	on: Rigid A	Armor.						
Manu	Ifacture	r: Bullist	ic Barriers				Sample No	.: Class 3	rev.4-3.5 (30 AP/	M2)	
		g. Thick:	7.25 x 9.2 4.375 in 5.250 in; 5 3.500 in;	5.250 in;			Weight: 22.3 ninates: NA	0 lbs		eceived: 12/3 Via: FedE turned: FedI	K
Set	up										
	Witness cking Ma					rimary Vel. Range	. Screens (ft Location (ft to Target (ft Witness (in	9.667, ): 7.500 ): 15.000	10.000 Bar	ange No.: 6 Temp: 68 BP: 30 RH: 36. rrel/Gun: Test Gunner: M. Recorder: J.F	2 inHg 0% Barrel Skrocki
Amı	munit	ion							Γ		
		Projec	tile			Lo	t No.			Powder	
(1) .	30-06-ca	l., 166-gr	ain APM2			Mil	itary			N133	
Арр	licabl	e Stan	dards o	r Proce	dures						
	JL-Level Sustomer	9 request									
Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Р	enetration	Obliq. (°)	Footnotes
1	1	NA	1757	2846	1525	2842	2844		None	0.0	(a)
<u>Rema</u> Requi		city: 271	5-2986 ft/s	•	1		1	1			
	n <u>otes:</u> npacted	on the bo	ody of the s	ample.							



			B	ALL	ISTIC	C RES	SISTA	NCE	TEST		
4603B		• Point Road	e Testir	ng					Cli		Barriers LLC 21493-002-8 12/31/2020
Tes	t Pane	el	Descripti	on: Rigid A	Armor.						
Manu	facture	: Bullist	ic Barriers				Sample No	.: Class 3	rev.4-40 (30 APM	2)	
	•	g. Thick:	7.00 x 7.2 5.750 in 5.750 in; 5 5.750 in;	5.750 in;			Weight: 17.0 ninates: NA	9 lbs		ceived: 12/3 Via: FedE turned: FedE	(
Setu	q								1		
Ba	Witness cking Ma Con	Panel: . terial: N dition: A				rimary Vel. Range	Screens (ft) Location (ft) to Target (ft) Witness (in)	9.667, ): 7.500 ): 15.000	10.000 Bar	nge No.: 6 Temp: 68. BP: 30. RH: 36. rel/Gun: Test Gunner: M. ecorder: J.F	1 inHg 0% Barrel Skrocki
Amr	munit	ion									
		Projec				Lo	t No.			Powder	
			ain APM2			Mil	itary			N133	
(1) U	L-Level		dards o	r Proce	dures						
Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Р	enetration	Obliq. (°)	Footnotes
1	1	166.0	1752	2854	1520	2851	2852		None	0.0	(a)
	ired velo	city: 271	5-2986 ft/s		1		1	1			
Footn (a) In		on the bo	ody of the s	ample.							



NTS-Chesapeake Testing				В	ALL	ISTI	C RES	SISTA	NCE	TES	Г		
Sample No.: Class 3 rev.4-40 (50 APM2)         Size: 7.00 x 7.25 in Avg. Thick: 5.750 in Thickness: 5.750 in; 5.75	4603E	Compass	• Point Roa		ng						Clien	Job No.:	21493-002-9
Size: 7.00 x 7.25 in Avg. Thick: 5.750 in; 5.750	Tes	t Pane	el	Description	on: Rigid A	Armor.			·				
Avg. Thick:5.750 in Thickness:Plies/Laminates:NAVia: FedEx Returned:Via: FedEx 	Manu	Ifacture	r: Bullist	ic Barriers				Sample No	.: Class 3	rev.4-40 (	50 APM2)		
Not Spacing: Customer request Witness Panel: .125 in Cardboard Backing Material: NA Condition: AmbientPrimary Vel. Screens (ft): 5.000, 5.333, 9.667, 10.000 Primary Vel. Location (ft): 7.500 Range to Target (ft): 15.000 Target to Witness (in): 18.000Range No.: 6 Temp: 68.4 °F BP: 30.2 inHg RH: 36.0% Barrel/Gun: Test Barrel Gunner: M. Skrocki Recorder: J.FulkAmmunitionProjectileLot No.PowderI to No.Powder(1) .50-cal., 695-grain APM2Vel. 2 MilitaryAvg. Vel.Oblig.Standards or ProceduresShot Marmo (2) Customer requestAvg. Vel. 1 (ft/s)Avg. Vel. 2 (ft/s)Oblig. Penetration			g. Thick:	5.750 in 5.750 in; 5	5.750 in;				9 lbs			Via: FedEx	
Witness Panel: .125 in Cardboard Backing Material: NA Condition: Ambient9.667, 10.000 Temp: 68.4 °F 	Set	up				I							
Projectile       Lot No.       Powder         (1) .50-cal., 695-grain APM2       Military       H50BMG         Applicable Standards or Procedures         (1) UL-Level 10 (Modified)       Vel. 1       Time 2       Vel. 2       Avg. Vel. (ft/s)       Penetration       Obliq. (°)       Footure		Witness ocking Ma Con	Panel: . iterial: N dition: A	.125 in Carc			9.667, 10.000         Temp:         68           Primary Vel. Location (ft):         7.500         BP:         30           Range to Target (ft):         15.000         RH:         36           Target to Witness (in):         18.000         Barrel/Gun:         Tes           Gunner:         M.         M.         M.						2 inHg 0% Barrel Skrocki
(1) .50-cal., 695-grain APM2       Military       H50BMG         Applicable Standards or Procedures       Standards or Procedures       Standards or Procedures         (1) UL-Level 10 (Modified)       (2) Customer request       Standards or Procedures       Standards or Procedures         Shot No.       Ammo       Weight (gr)       Time 1 (ft/s)       Time 2 (µs)       Vel. 2 (ft/s)       Avg. Vel. (ft/s)       Penetration       Obliq. (°)       Footu	Am	munit	ion										
Applicable Standards or Procedures         (1) UL-Level 10 (Modified)         (2) Customer request         Shot No.       Ammo       Weight (gr)       Time 1 (μs)       Vel. 1 (ft/s)       Time 2 (μs)       Avg. Vel. 2 (ft/s)       Penetration       Obliq. (°)       Footution			Projec	tile			Lo	t No.			Р	owder	
<ul> <li>(1) UL-Level 10 (Modified)</li> <li>(2) Customer request</li> <li>Shot No. Ammo Weight (gr) Time 1 (μs) Vel. 1 (ft/s) Time 2 (μs) (ft/s) Vel. 2 (ft/s) Penetration Obliq. (°) Foota</li> </ul>	(1) .	50-cal.,	695-grain	APM2			Mil	itary			Н	50BMG	
(2) Customer requestShot No.AmmoWeight (gr)Time 1 (μs)Vel. 1 (ft/s)Time 2 (μs)Vel. 2 (ft/s)Avg. Vel. 2 (ft/s)PenetrationObliq. (°)Footu- (°)	Арр	olicabl	e Stan	dards o	r Proce	dures							
No. Ammo Weight Time 1 Vel. 1 Time 2 Vel. 2 Vel. Penetration Obliq. (°)				ied)									
1 1 695.0 1742 2870 1513 2864 2867 None 0.0		Ammo						Vel.	Р	enetratior	ı	•	Footnotes
	1	1	695.0	1742	2870	1513	2864	2867		None		0.0	
Remarks: Required velocity: 2810-3091 ft/s. Footnotes:	Requ	ired velo	city: 281	0-3091 ft/s	•								



			B	ALL	ISTI	C RES	SISTA	NCE	TEST			
4603B		- Point Roa	e Testir	ng						Job N	o.: 2	8arriers LLC 1493-002-10 12/31/2020
Tes	t Pane	el	Descripti	on: Rigid A	Armor.			·				
Manu	Ifacture	r: Bullist	ic Barriers				Sample No	.: Class 3	rev.4-40 (50 A	M2 Ball)		
		g. Thick:	7.00 x 7.2 5.750 in 5.750 in; 5 5.750 in;	5.750 in;			Weight: 17.0 ninates: NA	9 lbs	Date	Received: Via: I Returned:	edEx	
Set	up											
Ba	Witness cking Ma	•		•		Primary Vel. Range	. Screens (ft Location (ft to Target (ft o Witness (in	9.667, ): 7.500 ): 15.000	10.000		68. 30.2 35.0 Test M. 9	2 inHg )% Barrel Skrocki
Am	munit	ion										
		Projec	tile			Lo	t No.			Powder		
(1) .	50-Cal, 7	/10-grain	M2 Ball			Mil	itary			H50BMC	;	
Арр	olicabl	e Stan	dards o	r Proce	dures							
	JL-Level Customer	10 request										
Shot No.	Ammo	Weight (gr)	Time 1 (µs)	Vel. 1 (ft/s)	Time 2 (µs)	Vel. 2 (ft/s)	Avg. Vel. (ft/s)	Р	Penetration	Obl (°		Footnotes
1	1	710.0	1749	2859	1518	2855	2857		None	0.	0	(a)
<u>Rema</u> Requ		city: 281	0-3091 ft/s	•	1		1	1		I		1
	n <u>otes:</u> npacted	on the bo	ody of the s	ample.								

