

BULLET RESISTANT

11 10 00/CRL
BuyLine 6331

TRANSACTION HARDWARE



CRL[®]

ISO 9001:2000 Certified
C.R. LAURENCE COMPANY
crlaurence.com | Worldwide Supplier





CUSTOM TRANSACTION WINDOWS

MANUFACTURED BY C.R. LAURENCE

STAPLES CENTER / CALIFORNIA

Home of the Los Angeles Lakers, Kings, Clippers and Sparks



Installation by Giroux Glass, Los Angeles, CA

KODAK THEATRE / CALIFORNIA

Home of the Academy Awards



Installation by Model Glass, Anaheim, CA.

GILLETTE STADIUM / MASSACHUSETTS

Home of the New England Patriots



Installation by Tower Glass Co. Inc., Woburn, MA.

INVESCO FIELD AT MILE HIGH / COLORADO

Home of the Denver Broncos



Installation by A-1 Glass Inc., Englewood, CO.

COMERICA PARK / MICHIGAN

Home of the Detroit Tigers



Installation by Universal Glass and Metal Inc., Detroit, MI.

AT&T PARK / CALIFORNIA

Home of the San Francisco Giants



Installation by Architectural Glass & Aluminum, Oakland, CA.

COMING ATTRACTIONS: The New Yankee Stadium and Mets Citi Field

MAJOR CORPORATIONS AND OTHER VENUES

- AAMCO
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- Dairy Queen
- DHL Worldwide
- Disney Red Cat Theatre
- Disneyland
- El Pollo Loco
- General Motors
- Hollywood Bowl
- Jack in the Box
- Kmart
- Knott's Berry Farm
- Kodak Theatre
- Laredo Entertainment Center
- Lexus Corp.
- McDonald's
- Oklahoma City Court House
- Sysco
- Taco Bell
- Wal-Mart
- Wendy's



TH09 Transaction and Security Hardware Catalog

See our new, full color catalog, with over 170 pages of Transaction Hardware items including specifications. May be viewed online at crlaurence.com

SPORTS VENUES

- Adelphia Coliseum, TN
- American Airlines Arena, FL
- Angel Stadium, CA
- Arrowhead Stadium, MO
- AT&T Park, CA
- Beaver Stadium, PA
- Broward County Arena, FL
- Busch Stadium, MO
- Comerica Park, MI
- Crew Stadium, OH
- Devils Arena, NJ
- Dodger Stadium, CA
- Dunkin Donuts Center, RI
- Fifth Third Field, OH
- Ford Field, MI
- Fresno AAA Ballpark, CA
- Giant Center, PA
- Gillette Stadium, MA
- Grizzlies Ballpark, CA
- Heinz Field, PA
- Lexington Ballpark, KY
- Mets Citi Field, NY
- Minute Maid Park, TX
- Nationwide Arena, OH
- New Veterans Memorial Stadium, IA
- Orlando Arena, FL
- Panthers Stadium, FL
- Penn State University, PA
- Petco Park, CA
- PNC Park, PA
- Pocono Raceway, CA
- Qwest Field, WA
- Raley's Ballpark, CA
- RCA Dome, IN
- Reliant Stadium, TX
- Reser Stadium, OR
- Riverfront Stadium, NJ
- Rosenblatt Stadium, NE
- Russ Chandler Stadium, GA
- Ryder Center, FL
- Sovereign Bank Arena, NJ
- Staples Center, CA
- The Crown, OH
- Verizon Arena, NH
- Washington Ballpark, PA
- Yankee Stadium, NY



HS07 Hospitality & Service Hardware Catalog

Over 150 full color pages of our Sneeze Guards, Partition Posts, Standoffs, Glass Barrier Systems and more. May be viewed online at crlaurence.com

BULLET RESISTANT PROTECTION LEVEL RATINGS



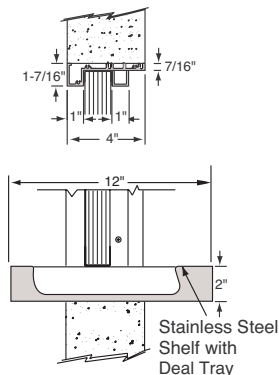
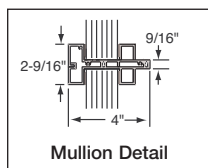
IMPORTANT NOTE! Regarding UL 752 Protection Levels Assessment Protection Levels assigned to various products listed as "Bullet Resistant" are based on testing recognized under the standards established by Underwriters' Laboratories (UL) for bullet resisting components. Protection Levels listed for options available for Exchange Windows pertain only to the option itself. A Level 1 option used with a Level 3 option will yield an overall Protection Level for the lowest rated option or component.	PROTECTION LEVEL RATING	UL 752 BALLISTICS DESCRIPTION	EXCHANGE WINDOW COMPONENTS			
			GLAZING MATERIALS	SPEAK-THRU	COUNTER / SHELF	FRAME
	LEVEL 1 M.P.S.A.	Medium Power Small Arms (9mm) 	1-5/16" Bullet Resistant Glass; 1-1/4" Bullet Resistant Acrylic; 3/4" Bullet Resistant Lexgard.	CAD101, TTU1 with Bullet Resistant Disc. TTU3 Matches Glazing Protection Level.	All	All
	LEVEL 2 H.P.S.A.	High Power Small Arms (.357 Magnum) 	1-5/8" Bullet Resistant Glass. 1" Bullet Resistant Lexgard.	N555, N777, TTU3 Matches Glazing Protection Level.	Special Order	Special Order
	LEVEL 3 S.P.S.A.	Super Power Small Arms (.44 Magnum) 	1-7/8" Bullet Resistant Glass; 1-1/4" Bullet Resistant Lexgard.	N555C3, N777C3, N666, CLD103, TTU1 with Bullet Resistant Disc. TTU3 Matches Glazing Protection Level.	Special Order	Special Order
PROTECTION LEVEL	NOT RATED AS BULLET RESISTANT		1/4" Glass.	405, 410, 425, 430, 543, 549, 834, TTU1, TTU3, SST5, SST7		



FRAME UNITS

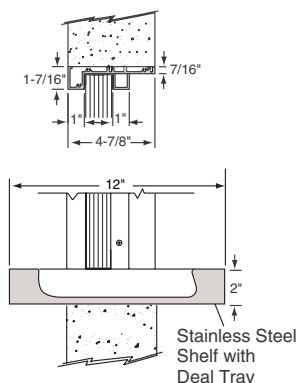
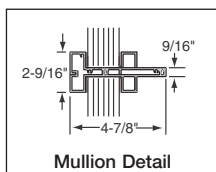
ALUMINUM 4" INSET FRAME

Extruded 6063 T5 aluminum alloy, for walls with a 4" minimum thickness. Unit easily slides into wall opening and is secured by screws through the perimeter frame. Mullion shown is used in windows with multiple lites. Choose window options from specification chart.



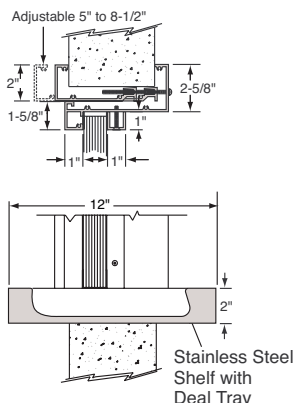
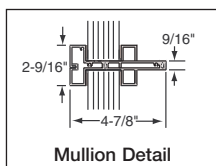
ALUMINUM 4-7/8" INSET FRAME

Extruded 6063 T5 aluminum alloy, for walls with a 4-7/8" minimum thickness. Unit easily slides into wall opening and is secured by screws through perimeter frame. Mullion shown is used in windows with multiple lites. Choose window options from specification chart.



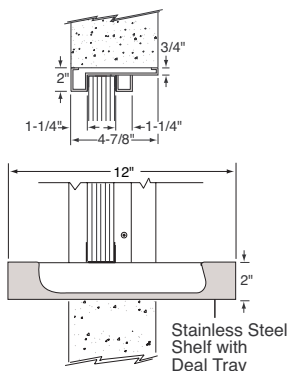
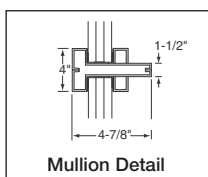
ALUMINUM CLAMP-ON FRAME

Extruded 6063 T5 aluminum alloy, for walls from 5" to 8-1/2" thick. Frame clamps onto wall opening with screws positioned through the inside frame into the threaded section of the outside frame. Mullion shown is used in windows with multiple lites. Choose window options from specification chart.



STAINLESS STEEL 4-7/8" INSET FRAME

Type 304 stainless steel 11 gauge # 4 finish, for walls with a minimum thickness of 4-7/8". Corners are mitered and welded. Mullion shown is used in windows with multiple lites. Choose window options from specification chart.



SPECIFICATIONS

Use This Component Menu to Design the Exchange Window of Your Choice

Window Type:

- ☐ Exterior Installation with Speak-Thru
- ☐ Interior Installation with Surround Sound
- ☐ Solid Vision Window
- ☐ Multi-Lite Window

Glazing Material:

- ☐ Any Non-Bullet Resistant Glass
- ☐ 3/4" Level 1 Bullet Resistant Lexgard
- ☐ 1-1/4" Level 1 Bullet Resistant Acrylic
- ☐ 1-1/4" Level 1 Bullet Resistant Acrylic with SAR Coating
- ☐ 1-5/16" Level 1 Bullet Resistant Glass
- ☐ 1" Level 2 Bullet Resistant Lexgard
- ☐ 1-5/8" Level 2 Bullet Resistant Glass
- ☐ 1-1/4" Level 3 Bullet Resistant Lexgard
- ☐ 1-7/8" Level 3 Bullet Resistant Glass
- ☐ Glass-Clad Polycarbonates

Speak-Thru Options:

- ☐ Standard Non-Bullet Resistant
- ☐ Bullet Resistant
- ☐ Electronic Non-Bullet Resistant
- ☐ Electronic Bullet Resistant
- ☐ Surround Sound

Aluminum Frames:

- ☐ Narrow Inset Type for Walls 4" or Thicker
- ☐ Standard Inset Type for Walls 4-7/8" or Thicker
- ☐ Clamp-On Type for Walls 5" to 8-1/2" Thick

Stainless Steel Frame:

- ☐ Standard Inset Type for Walls 4-7/8" or Thicker (Brushed #4 Finish)

Aluminum Frame Finishes:

- ☐ Satin Anodized
- ☐ Duranodic Bronze
- ☐ Powder Coat (choice of 184 RAL colors)
- ☐ Kynar Paint (specify color)

Other Options:

- ☐ 12" Shelf ☐ 18" Shelf ☐ Custom Shelf
- ☐ No Shelf (for Vision Window)
- ☐ Stainless Steel Shelf with Deal Tray
- ☐ Laminated Shelf with Deal Tray
- ☐ Drain Holes ☐ Weather Flap
- ☐ Sliding Panels
- ☐ Custom Options on Request



CRL's Quick Fab orders are given top priority. We will suspend fabrication of stock size units in order to begin work on your windows immediately, and give your order our full attention until it is ready to ship.

CRL TRANSACTION WINDOWS

Custom Made for Unlimited Variety



View **TH09** online at
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for more details.



11 18 00/CRL
BuyLine 6331



Multi-Lite with Drop Down and Transom



*Inset Frame Window with Plastic Glazing
and Clear View Speak-Thru*



*Inset Frame Multi-Lite Window
with Clear Package Receiver*



*Inset Frame Window with N666 Steel Speak-
Thru, 12" Steel Shelf and Tray*



*Inset Frame Window over
TD1724 Transaction Drawer*



*Three Sided Frame over
Tray inset in Counter*



Interior Multi-Lite Window with Surround Sound



*Inset Frame Window with
Surround Sound over 18" Steel Shelf*



*Inset Frame Window with N555 Polished Steel
Speak-Thru over Steel Shelf and Tray*



*Clamp-On Frame Window with N666 Steel
Speak-Thru over Steel Shelf and Tray*



*Clamp-On Frame Window with
Special Hinged Panel Through Plastic Glazing*



*Inset Frame Multi-Lite Window with N666 Steel
Speak-Thru over Steel Shelf and Deal Trays*

CRL BULLET RESISTANT SLIDING WINDOWS

Interior Window

- Interior Bullet Resistant Slider
- OX, XO, OXO, XOX Formats
- Can Be Built into Larger Barriers
- Available in Level 1 or Level 3



Exterior Window

- Exterior Bullet Resistant Slider
- Fully Weatherized
- OX or XO Formats
- Available in Level 1 Only

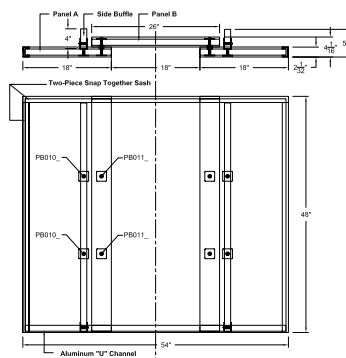


CRL PRE-ENGINEERED MINI-BARRIERS

• An Elegant Alternative for Reception Security

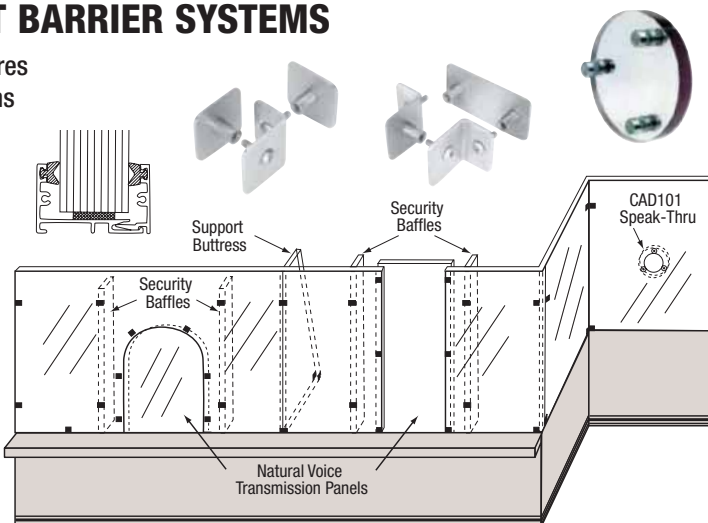
CRL's pre-engineered Mini Barriers provide an elegant alternative for reception security. Available in bullet resistant levels 1 or 3, Mini Barriers can be used in conjunction with deal trays or transaction drawers. The pictured unit is designed for wall openings 54" wide x 48" high. Custom sizes and configurations are made to your specifications. Low profile aluminum extrusions and stainless steel clamps hold plastic glazing securely in place, maximizing vision area and air flow without the need for speak-thru devices or bulky hardware. Don't sacrifice aesthetics for security. Contact CRL's Transaction Hardware Department at Extension 7760 for more information on the Mini Barrier alternative.

"Natural Voice Transmission" Protective Barrier System



CRL TRANSPARENT BULLET RESISTANT BARRIER SYSTEMS

- Banks • Casino Cages • Check Cashing • Convenience Stores
- Government Offices • Motels • Pharmacies • Police Stations



Seattle Justice Center, WA Installation by J S Perrott & Co., Kirkland, WA

CRL engineers and fabricates complete Barrier Systems to your specifications. See our TH09 Catalog for the special clamps, channels, and sash employed. Available in Acrylic (UL 752 Level 1), Lexgard (UL 752 Level 3), and other plastic glazing materials. Call CRL for design assistance at (800) 421-6144 in the U.S., or (877) 421-6144 from Canada, and ask for Ext. 7760

CRL BULLET RESISTANT DOORS

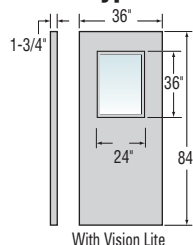


- Stock and Custom Sizes Available With or Without Vision Lite
- UL 752 Level Level 1 or Level 3 Protection Available
- Interior or Exterior

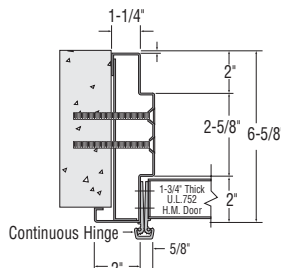


Bullet Resistant Doors are fabricated from prime quality cold rolled steel, and include a baked-on rust inhibitive oxide primer. Standard components include: continuous geared aluminum hinge; surface mounted door closer; keyed cylinder lock; standard lever handles. Custom sizes and options are available on special order.

Door Type

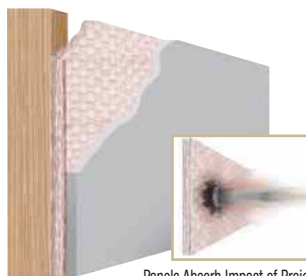


Door Frame



Materials: Frame - 14 Gauge Steel;
Door - 16 Gauge Steel
Glazing: 1-5/16" BR Glass Level 1;
1-7/8" BR Glass Level 3.
Finish: Prime Painted

CRL BULLET RESISTANT FIBERGLASS PANELS



Panels Absorb Impact of Projectiles

- Protective Panels for Lining Doors and Walls Surrounding Security Enclosures
- Available to Protection Level 3 (.44 Magnum S.P.S.A.)
- Typical Applications: Bank Teller Counters, Ticket Booths, Judge's Benches, Security Enclosures, and More

SPECIFICATIONS:

Material: Fiberglass - Reinforced Structural Polyester Laminate with Fiberglass Scrim.
Finish: Panels may be covered with drywall, or clad with plastic laminate if desired.
Cutting: Can be accomplished with a Circular Saw, Table Saw, Panel Saw or Saber Saw. We recommend the use of a carbide "Grit Edge" blade for ease of cutting.
Drilling: High Speed Steel Drill Bits at a low speed.

CAT. NO.	PROTECTION LEVEL*	PANEL THICKNESS	PANEL SIZE	PANEL WEIGHT	IMPACT VELOCITIES*
BRF100	1 M.P.S.A.	1/4"	96" x 48"	84 Lbs.	1250 Ft./Sec.
BRF200	2 H.P.S.A.	3/8"	96" x 48"	110 Lbs.	1395 Ft./Sec.
BRF300	3 S.P.S.A.	7/16"	96" x 48"	138 Lbs.	1470 Ft./Sec.

* Levels per UL 752 Ballistic Performance Requirements. Test Specifications.

CRL BULLET RESISTANT SPEAK-THRU

Round Speak-Thru
(Exterior or Interior)



N666 (Stainless Steel)

Level 3 Protection
(requires 5" hole)

Square Speak-Thru
(Interior only)



N555 (Stainless Steel)

Level 2 or 3 Protection
(requires 4" hole)



N777 (Stainless Steel)

Level 2 or 3 Protection
(requires 6" hole)

Clear Vision Speak-Thru
(Interior Plastic Glazing only)



CAD101 (Acrylic)

Level 1 Protection
(requires 6" hole)

CLD103 (Lexgard)

Level 3 Protection
(requires 6" hole)



**TH09 Full Line Catalog
with Specifications**

See our new,
full color catalog, over
170 pages of Transaction
Hardware items including
specifications. May be
viewed online at
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CRL ELECTRONIC COMMUNICATORS

Bullet-Resistant and Customized Units Available

Countertop Electronic Communicator

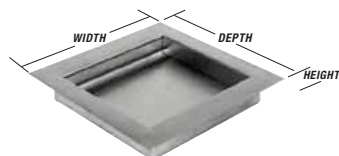


Thru-Glass Electronic Communicator



Optional Hands-Free Headset

CRL DEAL TRAYS AND STAINLESS STEEL SHELVES



Non-Ricochet Bullet Resistant Deal Tray

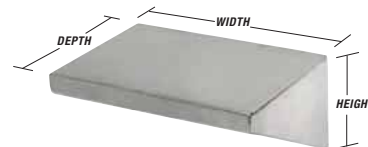
CAT. NO.	SIZE (W x D x H)	PROTECTION
BRT112	12" x 11" x 1-3/4"	Level 1
BRT116	16" x 11" x 1-3/4"	Level 1
BRT312	12" x 12" x 2"	Level 3
BRT316	16" x 12" x 2"	Level 3



**Stainless Steel Shelf With Non-Ricochet
Bullet Resistant Deal Tray**

"SSDT" SERIES	SIZES	PROTECTION*
Standard Widths:	24", 30", 36", 48", 60", 72"	Level 1
Standard Depths:	12", 18"	
Standard Height:	2"	

* Custom Sizes and Level 3 Available



**Stainless Steel Purse Shelf
(Not Rated for Bullet Resistance)**

CAT. NO.	SIZE (W x D x H*)
SSS1208	12" x 8" x 5-1/4"
SSS1912	19" x 12" x 4"

* Rear Height

CRL TRANSACTION DRAWERS AND PACKAGE RECEIVERS



Large Capacity Transaction Drawer

CAT. NO.	SIZE (W x D x H)	PROTECTION
TD1724	17" x 24" x 9-7/8"	Level 1
TD1724TW*	17" x 24" x 9-7/8"	Level 1

*Thru-Wall Installation



Transaction and Cash Box Drawer

CAT. NO.	SIZE (W x D x H)	PROTECTION
FL4463	18" x 25" x 5"	NOT RATED (Includes Cash Till)



Pass-Thru Hopper

CAT. NO.	SIZE (W x D x H)	PROTECTION
HOP1611	16" x 9" x 11"	Level 1
HOP1611TW*	18" x 9" x 12"	Level 1

*Thru-Wall Installation



**Deep Transaction Drawer
With Cash Tray**

CAT. NO.	SIZE (W x D x H)	PROTECTION
FL3246C	16" x 21" x 10"	NOT RATED



Package Receiver with Stainless Steel Doors

CAT. NO.	SIZE (W x D x H)	PROTECTION
SPR1	18-1/2" x 16" x 18-1/2"	Level 1
SPR3	18-1/2" x 16" x 18-1/2"	Level 3



Package Receiver with Vision Panel

CAT. NO.	SIZE (W x D x H)	PROTECTION
SPRVP1	18-1/2" x 16" x 18-1/2"	Level 1
SPRVP3	18-1/2" x 16" x 18-1/2"	Level 3



Clear Package Receiver

CAT. NO.	SIZE (W x D x H)	PROTECTION
CPR1	16" x 16" x 16"	Level 1
CPR31	16" x 16" x 16"	Level 3



Rotary Server with Vision Panel

CAT. NO.	SIZE (W x D x H)	PROTECTION
RSVW1	16" x 12-1/2" x 16"	Level 1

ADDITIONAL TRANSACTION HARDWARE PRODUCTS

Pass-Thru Windows



Horizontal Sliding Windows



Bi-fold Windows



Multi-Panel Windows



Drive-Thru Windows



Walk-Up Windows

FOR MORE INFORMATION ON OTHER CRL PRODUCTS SEE SWEET'S SECTIONS:

05 58 00/CRL-8838 COLUMN COVERS
05 73 00/CRL-5341 STRUCTURAL HEAVY GLASS RAILING
07 42 00/CRL-8840 ROOFING AND SIDING PANELS
08 42 00/CRL-1676 ENTRANCES & STOREFRONTS
08 42 00/CRM-4545 ENTRANCES & STOREFRONTS Facilities & Owners
08 44 26.11/CRL-8621 STRUCTURAL GLASS CURTAIN WALLS
08 56 59/CRL-4964 SERVICE WINDOWS
08 71 00/CRL-3069 DOOR HARDWARE
08 71 00.14/CRL-7154 STACKING PARTITION SYSTEMS
10 28 19/CRL-3068 TUB & SHOWER DOOR ENCLOSURES
10 71 13/CRL-8843 EXTERIOR SUN CONTROL DEVICES
11 46 16/CRL-5592 SNEEZE GUARDS/PARTITION POSTS

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AH07



Frameless Shower Door Hardware and Supplies

SD08



Hospitality & Service Hardware

HS07



Architectural Railing Systems

HR09



Door Controls Hardware and Accessories

DC07



Transaction and Security Hardware

TH09



Architectural Metals

AM09



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CRL Manufacturing

This 270,000 square foot facility is located in Vernon, California. CRL employees are at work using progressive QS-9000 manufacturing processes to make products to support the Glazing, Railing, Architectural, Construction, Industrial, and Automotive industries.



Technical Sales

C.R. Laurence Company has a Technical Sales Department to assist with design plans and installation questions. Your job can be made easier with the help of our Technical Sales Representatives who are trained in the newest Hardware Systems, and can offer you detailed diagrams and layout sheets. Ask for Extension 7760.

SWEET'S 09-BULLET RESISTANT