# SECTION 08 56 13 – BALLISTIC RESISTANT WINDOW FRAMING (EXTRUDED ALUMINUM)

## PART 1 – GENERAL

### 1.1 SUMMARY

A. Section Includes:
1. Factory-fabricated ballistic resistant aluminum window framing systems by Kontek Industries, complete with glazing stops, reinforcements, anchors, and accessories.

1.2 REFERENCES

A. UL 752 – Standard for Bullet-Resisting Equipment
B. NIJ Standard 0108.01 – Ballistic Resistant Protective Materials
C. ASTM B221 – Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes

### 1.3 SUBMITTALS

A. Product Data: Kontek product literature, performance data, and installation instructions.
B. Shop Drawings: Include system dimensions, joint details, ballistic protection level, anchorage, and interface with adjacent construction.
C. Certificates: Certification of ballistic performance to UL 752 and/or NIJ Level as specified.
D. Warranty: Kontek standard product warranty.

### 1.4 QUALITY ASSURANCE

A. Manufacturer Qualifications: Kontek Industries, with minimum 5 years' experience in manufacturing ballistic protection systems.
B. Testing: Ballistic framing system shall be third-party tested to the level specified in accordance with UL 752 or NIJ standards.

### 1.5 DELIVERY, STORAGE, AND HANDLING

A. Deliver framing systems in original packaging with identifying labels.
B. Store indoors, protected from exposure and physical damage.

## PART 2 – PRODUCTS

### 2.1 MANUFACTURER

A. Basis of Design:
Kontek Industries
www.kontekindustries.com
Phone: (800) 833-3211

2.2 MATERIALS

A. Framing Members:
1. Extruded aluminum, 6061-T6, per ASTM B221.
2. Minimum wall thickness: 0.063 inch.
3. Internal ballistic steel reinforcement as required by protection level.

B. Ballistic Rating:
1. Rated to UL 752 Level [Insert Level I through Level VIII] or NIJ Level [Insert].
2. Certified ballistic test reports to be provided by Kontek.

C. Glazing Stops and Accessories:
1. Compatible with glazing assemblies supplied by Kontek.
2. Securely retain glazing under ballistic impact.

D. Fasteners and Anchors:
1. High-strength stainless steel or corrosion-resistant coated fasteners.
2. Anchors designed to transfer loads safely to the structure.

E. Finish:
1. Factory-applied finish: [Clear anodized, Bronze anodized, Custom powder coat or PVDF paint] as selected by Architect.
2. Conform to AAMA 611 or AAMA 2605 as applicable.

## PART 3 – EXECUTION

### 3.1 EXAMINATION

A. Confirm wall openings and substrates are prepared to receive framing and meet required tolerances.

### 3.2 INSTALLATION

A. Install Kontek window framing system per manufacturer’s printed instructions and approved shop drawings.
B. Ensure plumb, level, and securely anchored assemblies.
C. Provide compatible sealant and gaskets to ensure air and watertight integrity.

### 3.3 FIELD QUALITY CONTROL

A. Conduct inspections for proper alignment, fitment, anchorage, and seal integrity.

### 3.4 CLEANING AND PROTECTION

A. Clean aluminum framing with a non-abrasive cleaner recommended by manufacturer.
B. Protect installed window framing until Substantial Completion.