**CSI Format for Shadow Box Assemblies Specification**

 **SECTION 08 80 00**

 **ARCHITECTURAL SCREENING SYSTEM**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

1. Shadow Box Assembly

**1.2 RELATED SECTIONS**

1. 08 44 13 Curtain Wall

**1.3 REFERENCES**

1. ASTM B209: Standard for Aluminum Sheet and Plate
2. ASTM B429: Standard Specification for Aluminum-Alloy Extruded Structural Pipe and Tube
3. ASTM B241: Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube
4. AAMA 2605: Standard for Aluminum Finishes
5. AAMA TIR-A9-2000: Metal Curtain Wall Fasteners

**1.4 DESIGN REQUIREMENTS**

1. Delegated Design: Performance of the Shadow Box Assembly to be by the Curtain Wall Contractor

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**1.5 SUBMITTALS**

**PART 2 PRODUCTS**

* 1. **MANUFACTURER**
1. Company: Bunting Architectural Metals
	1. 20 River Road Verona PA 15147
	2. Tel.412.820.2200
	3. Web: [www.buntingarchitecturalmetals.com](http://www.buntingarchitecturalmetals.com) or sales@buntingarchitecturalmetals.com

**2.5 SHADOW BOX CONFIGUATION**

1. Filler Panel: To be construction from .125” Aluminum, Grade ASTM B 209. Aluminum Sheet to be placed a Minimum 2 inches behind glazing.
2. Insulation: As Required to Meet Performance Requirements for Thermal and Fire Performance: Mineral Wool, Polystyrene, Isocyanurate Form.between high and low point within a panel shall not exceed 1/16 in. Thickness as Required.
3. Back Pan: .063” Aluminum Sheet Style to be as recommend by Curtain Wall Contractor.
4. Finish to meet AAMA2605 utilizing a 70% PVDF Resin Paint System

**2.7 ACCESSORIES**

1. Hardware: All hardware to be engineered to perform to design criteria, product data to be submitted with calculations.
2. Sealants: Seal fastener heads and panels are required to meet air and water performance requirements.

**2.8 FACTORY APPLIED FINISHES**

1. Aluminum Finishes:
	1. High-Performance Organic Finish: Three-coat fluoropolymer finish complying with AAMA 2605 and containing not less than 70 percent PVDF resin by weight in color coat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
		1. Color and Gloss: To Match Sherwin Williams Fluropon XXXXXX:
			1. Products:
				1. Structural Framing
				2. Aluminum Panels
	2. Warranty: Provide written 10 year warranty against loss of film integrity, chalking, fading, non-uniformity, and corrosion.

 **END OF SECTION**