**SECTION 08 7100**

**CROSSBAR EXIT DEVICE SPECIFICATIONS**

**Part 1 – General**

* 1. **Quality Assurance**
1. **Reference Standards**
	1. American National Standards Institute (ANSI/BHMA)
		1. A117.1 Providing Accessibility and Usability for Physically Handicapped People
		2. A156.3 Exit Devices
		3. A156.18 Materials and Finishes
	2. Americans with Disabilities Act (ADA)
	3. American Society for Testing and Materials (ASTM)
	4. National Fire Protection Association (NFPA 101)
	5. Underwriters Laboratory (UL)
		1. 305 Panic Hardware
2. **Source Quality Control**
	1. All exit devices shall be UL 305 Listed.
	2. Provide all hardware necessary to meet the requirements of NFPA 101 for exit doors.
	3. Provide exit devices, exterior activating trims and removable mullions from a single manufacturer.
3. **DEFINITIONS**

Type 1 – Rim Exit Devices

Type 2 – Surface Vertical Rod Exit Devices

Type 4 – Narrow Stile Rim Exit Devices

Type 5 – Narrow Stile Surface Vertical Rod Devices

Type 6 – Narrow Stile Concealed Vertical Rod Exit Devices

Type 22 – Removable Mullions

**Part 2- Products**

**2.1 Materials and Fabrication**

**A. General**

1. The design standards shall be based on the **10 Series Cross Bar Exit Device**, 8500LV (for type 6 exit devices) and 9500LV (for type 1 or type 4 exit devices) exterior activating trim and 896 removable mullions as manufactured by Jackson/C.R. Laurence Co., Inc., P.O. Box 58923, Los Angeles, CA, 90058-0923; Tel: (800) 421-6144 or (323) 588-1281 Ext. 7520; Fax (800) 888-6855 or (323) 581-6522; Email: jacksonexit@crlaurence.com.
2. Provide adjustable strikes for rim type (type 1 and type 4) and vertical rod type (type 6) devices.
3. Vertical rod devices shall incorporate top and bottom bolts that are field adjustable without the need of removing any screws or other fastening devices.
4. Rim type devices shall be furnished with ¾” throw latch bolt.
5. Exterior lever trim (if required) shall be an ANSI function 08 with either a round or flat lever as directed by architect.
6. Exterior dogging (if required) shall incorporate an 821J cylinder mounting pad and standard 1” mortised cylinder.

**B. MATERIALS**

1. Body and arm assemblies shall be high tensile strength aluminum.
2. Crossbar shall be extruded tubular aluminum.
3. Mechanical components shall be stainless and/or hardened steel.
4. Top and bottom bolts shall be plated hardened steel.
5. Strikes and latches shall be sintered steel.

 **C. FINISHES**

1. Manufacturer’s standard dark bronze anodized (DBZ313) or,
2. Manufacturer’s standard satin aluminum anodized (US28/628).

**Part 3 – Execution**

**3.1 Installation**

**A. General**

1. Installation shall be in accordance with the templates and installation instructions packaged with the devices at the time of manufacture.

2. Installation shall be made with fasteners packaged with the devices by the manufacturer.

**3.2 Adjustment**

1. Adjust all exit devices and trim in accordance with the installation instructions packaged with the material at the time of manufacturer.

2. Deliver cylinder keys, dogging keys and adjustment wrenches to owner.