Pre-Engineered Edge Metal vs Shop Fabricated Edge Metal

**Overall Cost**
- **Pre-Engineered**: Designed to maximize efficiencies, material cost can be more adaptive, depending on the system.
- **Shop Fabricated**: More tools, equipment, and installation steps are required, material typically costs less.

**Installation**
- **Pre-Engineered**: Most systems do not require chippings or heat waving, pre-drilled holes & snap-on covers provided in 12" lengths.
- **Shop Fabricated**: Other requires chippings or heat waving and hand clamping, no pre-drilled holes or snap-on covers, provided in 10" lengths.

**Quality & Consistency**
- **Pre-Engineered**: Relatively low, eliminates callbacks, standardizes products, impasses efficiencies.
- **Shop Fabricated**: Varies by shop and location.

**Testing**
- **Pre-Engineered**: ANSI/SPRI/ESPH 4435-E1-Tested, FHWA and State of Hawaii approved.
- **Shop Fabricated**: Most don't have resources to test, if tested, testing is limited to a small range of designs.

**Warranty**
- **Pre-Engineered**: Up to a 250 MPH lifetime wind warranty from Metal-Era.
- **Shop Fabricated**: Paint and workmanship warranties.

**Lead Time**
- **Pre-Engineered**: Express colors, quick-ship systems, local distributors stock products.
- **Shop Fabricated**: Fast turnaround once field measurements are confirmed.

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