**SECTION 10 14 33**

**EXTERIOR MARQUEE SIGN**

**PART 1 GENERAL**

1. RELATED DOCUMENTS
	1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division‑1 specification section, apply to work of this section.
2. SECTION INCLUDES
	1. Cabinet, face, and message area of exterior marquee sign specifications.
	2. Lighting
	3. Structural support
3. REFERENCES
	1. ASCE 7 – Minimum Design Loads for Buildings and Other Structures
	2. ASTM A36/A36M - Standard Specification for Carbon Structural Steel
	3. ASTM A307 - Standard Specification for Carbon Steel Bolts and Studs, 60,000 PSI Tensile Strength
	4. ASTM A500/A500M - Standard Specification for Cold-Formed Welded and Seamless Carbon Structural Tubing in Rounds and Shapes
	5. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon Steel Bars for Concrete Reinforcement
	6. ASTM C33/C33M - Standard Specification for Concrete Aggregates
	7. ASTM C150/C150M - Standard Specification for Portland Cement
	8. ASTM C270 Standard Specification for Mortar for Unit Masonry
	9. FBC - Florida Building Code
	10. NEMA Standards
	11. UL Underwriters Laboratories, Inc
4. SUBMITTALS
	1. Submit shop drawings under provisions of Section 01 33 00.
	2. Shop Drawings: Indicate sign styles, lettering font, foreground and background colors, locations, overall dimensions of each sign and anchorage.
		1. Anchorage shall include as a minimum an engineered foundation plans/details, structural components and connections to each other, the sign cabinet, and the foundation.
	3. Colors: Colors shall be as selected by the Architect.
5. QUALIFICATIONS
	1. Manufacturer: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
	2. Design Work under direct supervision of a Professional Structural Engineer experienced in design of this work and licensed in the State of Florida.
6. REGULATORY REQUIREMENTS
	1. Conform to FBC and ASCE-7.
7. WARRANTY
	1. Warranty for 10-years against defects in workmanship and materials, the warranty does not cover lamps or damage from gunshots.
8. DELIVERY, STORAGE, AND HANDLING
	1. Deliver, store, protect, and handle products to site per manufactures requirements.

# **PART 2 PRODUCTS**

1. MATERIALS
	1. Cabinet Specifications
		1. Double sided extruded aluminum and sized as indicated on plans
		2. Heliarc welded at mitered at corners
		3. Powder coated color finish: 3.0 to 4.0 mils thick electrostatically applied and permanently bonded guaranteed non-fading.
	2. Cabinet Face Specifications
		1. Provide vandal proof clear UV solar grade high impact resistant polycarbonate cover with stainless steel hinges secured with dual compression tubular locks.
		2. Powder coat covers to match cabinet.
	3. Message Area Specifications
		1. Provide a Marquee Inner Face System using 3M white translucent acrylic with a chemically bonded clear letter track or approved equal.
		2. Provide minimum 500 count self-spacing letters and numbers.
			1. Double silk screened on 1/8"injected molded substrate.
			2. Provide in a font as selected by Architect and District Design Coordinator.
			3. Provide letter storage case of durable material, i.e. impact resistant plastic.
			4. Provide all letters and numbers in black.
	4. Lighting Specifications
		1. All electrical components shall be UL listed and approved.
		2. Lighting: High output instant start fluorescent tubes spaced to provide uniform night lighting over entire face of the sign.
		3. Install per current NEC edition.
	5. Support Structure Specifications
		1. Design the support structure to withstand wind loads of as required by ASCE 7 & FBC.
		2. Legs: Cover on both sides if indicated on plans and anchor to foundation as indicated on engineered plans.
		3. Side frames painted in color approved by the Architect and District Design Coordinator.
		4. Provide signed and sealed (by Florida licensed PE) engineered shop drawings and structural calculations for approval by District Building Department.
	6. Provide 6” high numbers on the marquee, both sides if they are viewable from the street.

**PART 3 EXECUTION**

1. INSTALLATION
	1. Install signs in strict accordance with manufacturer's instructions and FBC requirements.
2. CLEANING
	1. After installation, thoroughly clean all exposed surfaces and restore all damaged material to its original condition or replaced with new material.

END OF SECTION