

**SECTION 10 14 33
EXTERIOR MARQUEE SIGN**

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division-1 specification section, apply to work of this section.

1.2 SECTION INCLUDES

- A. Cabinet, face, and message area of exterior marquee sign specifications.
- B. Lighting
- C. Structural support

1.3 REFERENCES

- A. ASCE 7 – Minimum Design Loads for Buildings and Other Structures
- B. ASTM A36/A36M - Standard Specification for Carbon Structural Steel
- C. ASTM A307 - Standard Specification for Carbon Steel Bolts and Studs, 60,000 PSI Tensile Strength
- D. ASTM A500/A500M - Standard Specification for Cold-Formed Welded and Seamless Carbon Structural Tubing in Rounds and Shapes
- E. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon Steel Bars for Concrete Reinforcement
- F. ASTM C33/C33M - Standard Specification for Concrete Aggregates
- G. ASTM C150/C150M - Standard Specification for Portland Cement
- H. ASTM C270 Standard Specification for Mortar for Unit Masonry
- I. FBC - Florida Building Code
- J. NEMA Standards
- K. UL Underwriters Laboratories, Inc

1.4 SUBMITTALS

- A. Submit shop drawings under provisions of Section 01 33 00.
- B. 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.
- C. Colors: Colors shall be as selected by the Architect.

1.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- B. Design Work under direct supervision of a Professional Structural Engineer experienced in design of this work and licensed in the State of Florida.

1.6 REGULATORY REQUIREMENTS

- A. Conform to FBC and ASCE-7.

1.7 WARRANTY

- A. Warranty for 10-years against defects in workmanship and materials, the warranty does not cover lamps or damage from gunshots.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, protect, and handle products to site per manufactures requirements.

PART 2 PRODUCTS

2.1 MATERIALS

- B. 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.
- C. 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.
- D. 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.
 - a. Double silk screened on 1/8" injected molded substrate.
 - b. Provide in a font as selected by Architect and District Design Coordinator.
 - c. Provide letter storage case of durable material, i.e. impact resistant plastic.
 - d. Provide all letters and numbers in black.
- E. 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.
- F. 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.
- G. Provide 6" high numbers on the marquee, both sides if they are viewable from the street.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install signs in strict accordance with manufacturer's instructions and FBC requirements.

3.2 CLEANING

- A. After installation, thoroughly clean all exposed surfaces and restore all damaged material to its original condition or replaced with new material.

END OF SECTION