



## *Florida Department of Transportation*

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### **MEMORANDUM**

**DATE:** November 12, 2015

**TO:** Specification Review Distribution List

**FROM:** Daniel Scheer, P.E., State Specifications Engineer

**SUBJECT:** Proposed Specification: **6770201 Equipment Shelter.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Amy Tootle of the State Construction Office to require all construction-related documentation to be submitted by electronic means for consistency with the State Construction Office e-Construction initiative.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or online at <http://www2.dot.state.fl.us/ProgramManagement/Development/IndustryReview.aspx> . Comments received after **December 10, 2015**, may not be considered. Your input is encouraged.

DS/dt  
Attachment

**EQUIPMENT SHELTER.**  
**(REV 11-4-15)**

SUBARTICLE 677-2.1 is deleted and the following substituted:

**677-2.1 General:** Ensure that the shelter includes a secure door; power distribution panels; a heating, ventilation, and air conditioning (HVAC) system; lightning protection, grounding, and any other components necessary for a completely integrated communication building. Ensure that the shelter is constructed and installed according to local building codes.

Provide a shelter designed to withstand loads as follows: wind: 150 MPH; floor: 200 lbs. per square foot; slab: 200 lbs. per square foot; roof: 100 lbs. per square foot.

**Submit**~~Provide~~ design drawings that meet all minimum design standards and are signed and sealed by a registered Professional Engineer in the State of Florida.

The shelter's exterior shall have an exposed concrete aggregate finish. The shelter must have a bullet-resistant exterior surface in accordance with UL 752. The shelter's exterior color is to be earth tone. Alternative exterior finishes or colors may be approved by the Engineer.

Ensure that the equipment shelter's heat transfer coefficient does not exceed 0.07 British Thermal Units (BTUs) per hour per square foot per degree Fahrenheit (F) for the roof and 0.28 BTUs per hour per square foot per degree F for the exterior wall.

SUBARTICLE 677-4.1 is deleted and the following substituted:

**677-4.1 General:** The Department may perform an inspection witnessed by the Engineer at completion of the work. Notify the Engineer at least 10 days prior to completion of the installation to schedule the inspection. The inspection will verify that all equipment is correctly installed and functional.

**Submit**~~Record~~ all test results in a format approved by the Engineer prior to testing. All recorded test report data shall be signed and dated, witnessed, and validated by signature from a Department representative. Remedy all noted deficiencies at no cost to the Department.

SUBARTICLE 677-4.3 is deleted and the following substituted:

**677-4.3 Electrical Inspection:** Verify and **submit**~~provide~~ a report to the Engineer prior to acceptance that all shelter lights and smoke detectors operate properly, and proper electrical power load balances are realized. Correct any deficiencies at no cost to the Department.