

ALTERNATIVE INTERIOR DIAPHRAGMS

This work shall consist of fabrication and erection of structural steel interior diaphragms as an alternative to the concrete interior diaphragms shown on the plans. All structural steel shall be fabricated and erected in accordance with 711 and the following requirements. Five sets of shop drawings in accordance with 711.05 shall be submitted for approval.

The Standard Specifications are revised as follows:

SECTION 707, AFTER LINE 22, INSERT AS FOLLOWS:

Structural steel for steel intermediate diaphragms shall be in accordance with 910.02(a) and shall be galvanized in accordance with ASTM A 123 after cutting, bending, and welding. Bolts for steel intermediate diaphragms shall be 7/8 in. (22 mm) and in accordance with 910.02(e)1, except they shall be type 1. All bolts, nuts, washers, and similar threaded fasteners shall be galvanized in accordance with ASTM A 123 or may be mechanically zinc coated in accordance with ASTM B 695, class 50.

SECTION 707, AFTER LINE 29, INSERT AS FOLLOWS:

Structural steel diaphragms shall be fabricated and erected in accordance with 711. Steel diaphragms shall include all connection angles, plates, and associated hardware required for a complete installation. The Contractor shall replace, re-galvanize, or repair all damaged galvanized material at the discretion of the Engineer.

SECTION 707, BEGIN LINE 333, INSERT AS FOLLOWS:

707.11 Method of Measurement

Precast or prestressed concrete structural members will be measured by the linear foot (meter) along the top of each member or by the square foot (square meter) of top surface of each member. Railing will be measured in accordance with 706.05 if specified as a pay item. *Structural steel for intermediate diaphragms will not be measured.*

SECTION 707, AFTER LINE 367, INSERT AS FOLLOWS:

The cost of all materials, including galvanizing, labor, and equipment for furnishing and installing steel intermediate diaphragms shall be included in the cost of structural member, concrete of the type and size specified.

INTERIOR DIAPHRAGMS

The substitution of structural steel interior diaphragms for cast-in-place reinforced concrete interior diaphragms will not be allowed on this contract.

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STRUCTURAL STEEL INTERMEDIATE DIAPHRAGMS

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