

**AMENDMENTS TO OPSS 913 (SEPT 93) –
CONSTRUCTION SPECIFICATION FOR EMBEDDED WORK IN
STRUCTURES FOR ELECTRICAL SYSTEMS ¹**

OPSS 913.01 is amended by the addition of the following:

Unless authorized by the Commissioner, embedded work in the structure for electrical systems is prohibited.

OPSS 913.02 is amended by the addition of the following:

American Institute of Steel and Iron (AISI)

AISI C12L14 - Specification for Cold Finished Leaded Steel Bars

OPSS 913.05.04 is superseded by:

Anchorage assembly struts shall conform to grade SAE 1030-C steel as detailed in ANSI/SAE J403h. Bolts, nuts and washers shall be high strength type 1 conforming to AISI/ASTM A325M-93. Studs shall conform to grade SAE C-1541 as detailed in ANSI/SAE J403h. Threaded through steel ferrules shall comply with AISI C12L14, rotoprobed bar.

All steel components shall be hot dip galvanized conforming to CSA G164M.

Studs or bolts shall be factory inserted and held in place with a pre-applied thread locking compound. A wood template shall be provided. Nuts and washers shall be installed finger-tight only by the fabricator. Studs or bolts shall have the exposed threads above the ferrule coated with factory applied white lithium grease.

OPSS 913.07.01.04 is amended by deleting the last sentence and replacing it with the following:

The anchorage assembly studs are fixed in the steel ferrules by pre-applied thread locking compound.

1. All references to OPS specifications that have been amended (as noted in LIST T1) are superseded by references to the replacement City of Toronto specifications (as given in LIST T1).

The anchorage assembly shall be adjusted level by use of a carpenter's level used at several angles on the wood template. Upon initial concrete set the wood template shall be removed and the drainage channels and other surface features shall be completed.

The integrity of the compound shall be maintained throughout the installation and no attempt shall be made to remove or adjust the studs under normal circumstances.

Where it is required to remove the studs for repair or replacement purposes, the ferrules and the studs shall be cleaned to remove the old thread locking compound. New thread locking compound shall be applied to the insertion length of the studs prior to tightening to full depth.