

## **Construction Administrative Inspection Specification for Embedded Work in Structures for Electrical Systems**

(As Specified in OPSS 913, November 2026)

### **913.01 SCOPE**

This CAIS covers the construction administration and inspection requirements for the installation of electrical and communication materials to be embedded in structures as specified in OPSS 913, November 2026.

### **913.02 REFERENCES**

The references listed in OPSS 913 shall apply to this CAIS, in addition to the following standards, specifications, forms, or publications.

#### **Construction Administration and Inspection Specifications (CAIS):**

CAIS 603      Installation of Ducts  
CAIS 616      Footings and Pads for Electrical Equipment

### **913.03 DEFINITIONS – Not Used**

### **913.04 SUBMISSION AND REQUIREMENTS – Not Used**

### **913.05 MATERIALS**

Inspection Activities:

|   |   |                                                                                                                                                                |  |
|---|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1 | - | Check that materials meet the requirements of the Contract Documents, OPSS 913.05, OPSS 603, CAIS 603, OPSS 616, CAIS 616, and all other Referenced Standards. |  |
| 2 |   | Record and Notify the Contractor of all non-conformance items.                                                                                                 |  |

### **913.06 EQUIPMENT – Not Used**

**913.07 CONSTRUCTION****913.07.01 Embedded Work in Structure****913.07.01.01 General**

Inspection Activities:

|   |    |                                                                                                     |     |
|---|----|-----------------------------------------------------------------------------------------------------|-----|
| 1 |    | Check that all general requirements for electrical work are as specified in the Contract Documents. | 50% |
| 2 | EI | Prior to concrete placement, check that components are secured and supported in place.              | 50% |

**913.07.01.02 Junction Boxes**

Inspection Activities:

|   |    |                                                                                                                   |     |
|---|----|-------------------------------------------------------------------------------------------------------------------|-----|
| 1 | -  | Check that junction boxes meet the requirements of the Contract Documents.                                        | 50% |
| 2 | EI | Check that junction boxes are installed correctly, as specified in OPSS 913.07.01.02, and the Contract Documents. | 50% |
| 3 | EI | Check that fittings are installed correctly as specified in OPSS 913.07.01.02 and the Contract Documents.         | 50% |

**913.07.01.03 Ducts**

Inspection Activities:

|   |    |                                                                                                            |     |
|---|----|------------------------------------------------------------------------------------------------------------|-----|
| 1 | -  | Check that ducts meet the requirements of the Contract Documents.                                          | 50% |
| 2 | EI | Check that ducts are installed correctly, as specified in the Contract Documents.                          | 50% |
| 3 |    | Check that correct expansion and deflection fitting assemblies or wobble joints are installed when needed. | 50% |
| 4 |    | Check that all ducts are free of debris, water, breakage, and distortion.                                  | 50% |
| 5 |    | Check that the correct size, type, and number of ducts are being installed.                                | 25% |
| 6 |    | Check all open ends in ducts are plugged with plastic plugs                                                | 25% |

**913.07.01.04 Fish Line**

Inspection Activities:

|   |   |                                                                           |     |
|---|---|---------------------------------------------------------------------------|-----|
| 1 | - | Check that fish line is installed as specified in the Contract Documents. | 25% |
|---|---|---------------------------------------------------------------------------|-----|

**913.07.01.05 Anchorage Assemblies**

Inspection Activities:

|   |   |                                                                                                                                       |     |
|---|---|---------------------------------------------------------------------------------------------------------------------------------------|-----|
| 1 | - | Check that the anchorage assemblies are aligned, secured, and installed as specified in OPSS 913.07.01.05 and the Contract Documents. | 50% |
|---|---|---------------------------------------------------------------------------------------------------------------------------------------|-----|

**913.07.02 Embedded Work in Structure for Other than Owner**

Administrative Activities:

|   |   |                                                                                                                                                                                     |  |
|---|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1 | - | Receive and Check the Contractor's notification, in writing, of the need for material supplied by others a minimum of 30 Days in advance of the date when the material is required. |  |
|---|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

Inspection Activities:

|   |   |                                                                                      |     |
|---|---|--------------------------------------------------------------------------------------|-----|
| 1 | - | Check that embedded work meets the requirements specified in the Contract Documents. | 50% |
|---|---|--------------------------------------------------------------------------------------|-----|

**913.07.03 Quality Control**

Inspection Activities:

|   |    |                                                                                                         |      |
|---|----|---------------------------------------------------------------------------------------------------------|------|
| 1 | EI | Check that all Pre-installation Testing and Inspection are carried out according to OPSS 913.           | 100% |
| 2 | EI | Check that all Proof of Performance (PoP) Testing and inspection are carried out according to OPSS 913. | 100% |

Administrative Activities:

|   |   |                                                                                                                                                         |   |
|---|---|---------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 1 | - | Check the results of the Pre-installation Testing and Inspection.                                                                                       | - |
| 2 |   | Issue a PH-CC-702, Notice to Proceed, in a timely manner, and prior to the placement of concrete if the requirements of the Contract Documents are met. |   |

**913.08 QUALITY ASSURANCE****913.08.01 Field Inspection**

Inspection Activities:

|   |   |                                                                                                                                         |      |
|---|---|-----------------------------------------------------------------------------------------------------------------------------------------|------|
| 1 | - | Witness all inspections and tests to Check that the acceptance of embedded work is as specified in OPSS 913 and the Contract Documents. | 100% |
|---|---|-----------------------------------------------------------------------------------------------------------------------------------------|------|

**913.09 MEASUREMENT FOR PAYMENT – Not Used**

**913.10 BASIS FOR PAYMENT**

Administrative Activities:

|   |   |                                                            |   |
|---|---|------------------------------------------------------------|---|
| 1 | - | Measurement for payment shall be as specified in OPSS 913. | - |
|---|---|------------------------------------------------------------|---|

WARRANT: Always with OPSS 913, Construction Specification for Embedded Work in Structures for Electrical Systems.