SECTION 262503 **-** BUSWAY SYSTEM, FEEDER

See information at end of section.

1. GENERAL
   * + 1. REFERENCE STANDARDS
          1. Comply with the applicable requirements of NEMA and U.L.
       2. SUBMITTALS
          1. Submittals for this section are subject to the re-evaluation fee identified in Article 4 of the General Conditions.
          2. Manufacturer’s installation instructions shall be provided along with product data.
          3. Submittals shall be provided in the order in which they are specified and tabbed (for combined submittals).
          4. Waiver of Submittals: The “Waiver of Certain Submittal Requirements” in Section 013300 does not apply to this Section.
          5. Submittals Package: Submit the shop drawings, product data, and samples specified below at the same time as a package.
          6. Shop Drawings: Show details of the complete system as proposed to be installed (standard diagrams will not be acceptable).
          7. Product Data: Catalog sheets, specifications and installation instructions.
          8. Samples: One of each product if different from manufacturer or catalog number specified.
       3. SITE CONDITIONS
          1. Environmental Requirements: The feeder busway system shall meet all requirements at the following ambient temperature (actual site conditions):

Indicate temperature below. Word processing person: delete underlining before entering information.

Maximum ambient temperature \_\_\_\_\_\_\_\_ degrees C.

1. PRODUCTS
   * + 1. MATERIALS
          1. Feeder Busway System: General Electric Co.’s ARMOR-CLAD, Square D Co.’s I-LINE, or Westinghouse Electric Corp.’s POW-R-WAY:

Copper Bus.

Edit subparagraph below for type required.

Indoor feeder type.

Outdoor feeder type.

Edit for system required.

Suitable for use on l20/208 volt, 3 phase, 4 wire, 60 Hz system.

Indicate ampere rating on drawings.

Ampere rating as indicated on drawings.

Include subparagraph below and insert rating only if standard NEMA rating is not adequate (check with manufacturer’s rep.’s for availability of busway with increased interrupting capacity). Word processing person: delete underlining before entering information.

Short circuit rating \_\_\_\_\_\_\_\_ amps sym.

| **STANDARD NEMA RATINGS:** | |
| --- | --- |
| **BUSWAY RATING (AMPS)** | **I.C. SYM. (AMPS)** |
| 600 | 42,000 |
| 800 | 42,000 |
| 1000 | 75,000 |
| 1200 | 75,000 |
| 1350 | 75,000 |
| 1600 | 100,000 |
| 2000 | 100,000 |
| 2500 | 150,000 |
| 3000 | 150,000 |
| 4000 | 200,000 |
| 5000 | 200,000 |

Omit subparagraph below if not required.

Full neutral bus.

50 percent internal ground bus.

Mounting position - flatwise.

Use subparagraph above when busway must be run in a specific manner. Edit mounting position (edgewise & vertical also available). Use subparagraph below for general application. Omit both subparagraphs if details are shown on the drawings.

Mounting position to suit installation.

Accessories: As required for a complete system.

1. EXECUTION
   * + 1. INSTALLATION
          1. Install feeder busway system in accordance with manufacturer’s printed instructions, and NEMA publication BU-1.1 “Instructions for Safe Handling, Installation, Operation and Maintenance of Busways and Associated Fittings Rated 600V or Less”.

END OF SECTION **262503**

The remainder of this section is for information only. Not to be included in project specifications.

1. Codes, standards and references applicable to the installation of busways:

a. NEC (art. 364).

b. NEMA bu-1: busways.

c. NEMA bu-1.1: instructions for safe handling, installation, operation and maintenance of busways and associated fittings rated 600 volts or less.

d. U.L. 857 - busways and associated fittings.

2. Indicate on drawings:

a. Mounting height.

b. Where wall (or ceiling) flanges are required for firestopping.

3. If busway must be exposed in areas making the busway easily accessible to inmates or patients (where busway crosses corridors; etc.) Provide protection for, or conceal busway.

END OF INFORMATION 262503