



3-Part Specification Stainless Steel Rod Assemblies

GENERAL NOTES TO SPECIFIER:

THIS SPECIFICATION SECTION HAS BEEN PREPARED TO ASSIST DESIGN PROFESSIONALS IN THE PREPARATION OF PROJECT OR OFFICE MASTER SPECIFICATIONS. IT FOLLOWS GUIDELINES ESTABLISHED BY THE CONSTRUCTION SPECIFICATIONS INSTITUTE, AND THEREFORE MAY BE USED WITH MOST MASTER SPECIFICATION SYSTEMS WITH MINOR EDITING.

EDIT CAREFULLY TO SUIT PROJECT REQUIREMENTS. MODIFY AS NECESSARY AND DELETE ITEMS THAT ARE NOT APPLICABLE. VERIFY THAT REFERENCED SECTION NUMBERS AND TITLES ARE CORRECT. (NUMBERS AND TITLES REFERENCED ARE BASED ON *MASTERFORMAT*, 2004 EDITION).

THIS SECTION ASSUMES THE PROJECT MANUAL WILL CONTAIN COMPLETE DIVISION 1 DOCUMENTS INCLUDING 01 25 13-PRODUCT SUBSTITUTION PROCEDURES, SECTIONS 01 33 00-SUBMITTAL PROCEDURES, 01 45 00-QUALITY CONTROL, 01 62 00-PRODUCT OPTIONS, 01 66 00-PRODUCT STORAGE AND HANDLING REQUIREMENTS, 01 74 00-CLEANING AND WASTE MANAGEMENT, 01 77 00-CLOSEOUT PROCEDURES, AND 01 78 00-CLOSEOUT SUBMITTALS. CLOSE COORDINATION WITH DIVISION 1 SECTIONS IS REQUIRED. IF THE PROJECT MANUAL DOES NOT CONTAIN THESE SECTIONS, ADDITIONAL INFORMATION SHOULD BE INCLUDED UNDER THE APPROPRIATE ARTICLES.

THIS IS AN OPEN PROPRIETARY SPECIFICATION ALLOWING USERS THE OPTION OF APPROVING OTHER MANUFACTURERS THAT COMPLY WITH THE CRITERIA SPECIFIED HEREIN.

NOTES TO THE SPECIFIER ARE CONTAINED IN BOXES AND SHOULD BE DELETED FROM FINAL COPY.

OPTIONAL ITEMS REQUIRING SELECTION BY THE SPECIFIER ARE ENCLOSED WITHIN BRACKETS, E.G. [35] [40] [45]. MAKE APPROPRIATE SELECTIONS AND DELETE OTHERS.

ITEMS REQUIRING ADDITIONAL INFORMATION ARE UNDERLINED BLANK SPACES, E.G.: _____ .

OPTIONAL PARAGRAPHS AND FEATURES THAT MAY BE SELECTED OR DELETED AS DESIRED ARE SHOWN IN BOLD FACE TYPE. CONVERT THE BOLD FACE TYPE TO REGULAR TYPE WHEN INCLUDING THESE PARAGRAPHS OR FEATURES; DELETE THEM IF NOT REQUIRED FOR THE PROJECT.

REVISE FOOTER TO SUIT PROJECT/OFFICE REQUIREMENTS.

ELECTRONIC VERSIONS OF THIS SPECIFICATION UTILIZE AUTOMATIC PARAGRAPH NUMBERING.

WHEN EDITING IS COMPLETE, DELETE ALL TEXT ON THIS PAGE, THEN REMOVE THE SECTION BREAK AT THE TOP OF THE NEXT PAGE TO REMOVE THIS PAGE FROM THE DOCUMENT.

SPECIFICATION BEGINS ON THE FOLLOWING PAGE.

Initial Issue Date: September 28, 2007
Revision 1: December 19, 2007
Revision 2: June 16, 2017

SECTION 05 13 10

STAINLESS STEEL ROD ASSEMBLIES

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes: Stainless steel rod assemblies for:

DELETE ITEMS IN FOLLOWING LIST THAT ARE NOT INCLUDED IN THE PROJECT; ADD OTHERS AS NECESSARY.

1. Glass curtain walls supports.
2. **Guard railing infill.**
3. **Canopy and awning supports.**
4. **Membrane and fabric structure supports & tensioning systems.**
5. **Fixture supports.**
6. **Façade and projected roof supports.**
7. **Bridge suspensions and supports.**
8. **Roof tie rod and truss systems.**
9. **Structural bracing.**
10. **Trellis grid infill.**

B. Related Sections:

INSERT SECTION NUMBERS AND TITLES BELOW FOR WORK TO WHICH ROD ASSEMBLIES WILL BE ATTACHED. VERIFY THAT RELATED SECTIONS ALSO REFERENCE THIS SECTION.

1. **05 10 00 – Structural Metal Framing**
2. **05 50 00 – Metal Fabrications**
3. **13 31 00 – Fabric Structures**
4. _____.
5. _____.

1.02 SUBMITTALS

A. Reference Section 01 33 00–Submittal Procedures; submit following items:

1. Product Data.

SHOP DRAWINGS MAY NOT BE REQUIRED FOR SMALL, SIMPLE PROJECTS. DELETE FOLLOWING PARAGRAPH IF SHOP DRAWINGS ARE NOT DESIRED.

2. Shop Drawings: Indicate materials, sizes, styles, fabrication, anchorage details, installation details and lengths for stainless steel rod assemblies.

SAMPLES MAY NOT BE REQUIRED FOR SMALL, SIMPLE PROJECTS. DELETE FOLLOWING PARAGRAPH IF SAMPLES ARE NOT NEEDED.

3. **Samples:**
 - a. **Rod samples – minimum 4-inch long piece of each diameter specified herein.**
 - b. **Fitting samples – minimum 1 each fitting specified herein.**

4. Quality Assurance/Control Submittals:

- a. Qualifications: Proof of manufacturer’s qualifications.
 - b. Manufacturer’s Installation Instructions.
- B. Closeout Submittals: Reference Section 01 78 00–Closeout Submittals; submit following items:
- 1. Maintenance Instructions:
 - a. Manufacturer’s recommendation for periodic cleaning.
 - b. Manufacturer’s recommendation for periodic checking and adjusting of rods to maintain proper tension.
 - 2. Special Warranties.

1.03 QUALITY ASSURANCE

- A. Qualifications:
- 1. Manufacturer Qualifications: Minimum five years experience in producing stainless steel rods and fittings.

CONSIDER INCLUDING FIELD SAMPLES FOR LARGE PROJECTS WITH MULTIPLE ROD ASSEMBLY SYSTEMS OF THE SAME CONFIGURATION. OTHERWISE DELETE FOLLOWING PARAGRAPH.

- B. Field Samples:**
- 1. Reference Section 01 45 00 – Quality Control.**
 - 2. Install one complete rod assembly system at location selected by Architect.**
 - 3. Obtain Architect’s approval prior to installing additional rod systems.**
 - 4. Approved sample may remain as part of completed work.**

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Reference Section 01 66 00–Product Storage and Handling Requirements.
- B. Follow manufacturer’s instructions.

1.05 WARRANTY

COMPLETE TEXT OF FOLLOWING WARRANTIES IS AVAILABLE FROM FEENEY UPON REQUEST.

- A. Special Warranty: Rods & Connectors—2 year limited warranty against defects in materials and workmanship under normal use, installation and maintenance.

PART 2 - PRODUCTS

2.01 MANUFACTURER

- A. Feeney Inc. Toll Free: (800) 888-2418
 2603 Union St Tel: (510) 893-9473
 Oakland, CA 94607 Fax: (510) 893-9484
E-mail: sales@feeneyinc.com
Website: <http://www.feeneyinc.com>
- B. Product: Sta-Lok® Stainless Steel Rod Assemblies
- C. Substitutions: Reference Section 01 25 13–Product Substitution Procedures.

2.02 MATERIALS

- A. Stainless Steel Rods, Rod Connectors and Fittings: 316 Stainless Steel.

2.03 COMPONENTS

VERIFY THAT METHOD OF ROD ASSEMBLY ATTACHMENT TO OTHER CONSTRUCTION IS SHOWN ON THE DRAWINGS.

- A. Rods: [[5/16] [3/8] [1/2] [5/8] [3/4] [1] inch diameter] [diameter as shown on Drawings], standard capacity. stainless steel rod, satin finish, with right and left-hand UNF threads as needed for fittings or attachment.

SELECT DESIRED CONNECTORS & FITTINGS FROM OPTIONS SHOWN BELOW. IF MORE THAN ONE IS SELECTED, VERIFY THAT FITTINGS ARE CLEARLY SHOWN ON DRAWINGS. DELETE THOSE NOT USED.

- B. Fittings: Type(s) specified below.
1. **Sta-Lok® part number F34-____ L/R Tension Forks, standard capacity, type 316 stainless-steel, satin finish, with right and left-hand UNF threads, including conical nut and double headed clevis pin.**
 2. **Sta-Lok® part number F24-____ Fixed Fork Ends, standard capacity, type 316 stainless-steel, satin finish, with right-hand UNF threads, including double headed clevis pin.**
 3. **Sta-Lok® part number RC-____ Rod Connectors, standard capacity, type 316 stainless-steel, satin finish, with right and left-hand UNF threads. Required for rod assemblies over 12-feet (4-meters) long.**
 4. **Stainless steel end fittings and hardware [as identified by manufacturer's model number on Drawings] [as specified by architect on Drawings] [as recommended by manufacturer for installation conditions].**

VERIFY THAT TYPE AND SIZE OF FASTENERS FOR CONNECTING ROD ASSEMBLY COMPONENTS TO OTHER CONSTRUCTION ARE SHOWN ON THE DRAWINGS AND HAVE BEEN APPROVED BY A STRUCTURAL ENGINEER.

- C. Fasteners for Connecting Components to Other Construction (e.g.: structural members eyelets, or eyebolts): Type and size as shown on Drawings.

2.04 ACCESSORIES

A. Isolation Washers & Sleeves

1. **Install washers or sleeves per manufacturer's installation instructions, to alleviate direct contact of dissimilar metals and control vibration**

2.05 FABRICATION

- A. Fabricate systems in accordance with approved [shop drawings] [fabrication detail list].
- B. Shop assembly: Preassemble items in shop to greatest extent practicable to minimize assembly at project site. Disassemble units only to extent necessary for shipping and handling limitations. Mark units for reassembly.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine work to which rod assemblies system will be attached.
- B. Coordinate with responsible entity to correct unsatisfactory conditions.
- C. Commencement of work by installer is acceptance of substrate conditions.

3.02 INSTALLATION

MANUFACTURER'S INSTALLATION INSTRUCTIONS COVER PROCEDURES FOR BASIC ROD ASSEMBLY INSTALLATION. . INSERT ADDITIONAL REQUIREMENTS AS NECESSARY TO COVER SPECIAL OR UNUSUAL CONDITIONS.

- A. Follow manufacturer's installation instructions.

3.03 CLEANING

- A. Reference Section 01 74 00 – Cleaning and Waste Management.
- B. Clean rod assembly components thoroughly using warm soapy water (or, if needed, denatured alcohol) to remove any residual lubricants, dirt and stains; rinse thoroughly with clear water and wipe dry with soft, clean cloths.

3.04 PROTECTION

- A. Protect system from damage until Date of Substantial Completion.
- B. Repair or replace damaged products before Substantial Completion.

END OF SECTION