

SECTION 14600 - HOISTS AND CRANES, GENERAL

City of San Diego, CWP Guidelines

PART 1 -- GENERAL

1.1 WORK OF THIS SECTION

- A. The WORK of this Section includes providing general requirements for hoists and cranes.
- B. The WORK of this Section applies to the WORK of the following Sections:
 - 1. Section 14605 Electric Monorail Systems
 - 2. Section 14630 Bridge Cranes
 - 3. Section 14665 Gantry Cranes
- [C. The WORK requires that one manufacturer accept responsibility for furnishing the WORK as indicated but without altering or modifying the CONTRACTOR'S responsibilities under the Contract Documents.]
- [D. The WORK additionally requires that the one manufacturer who accepts the indicated responsibilities shall manufacture the major components of the equipment.]
- [E. The WORK also includes coordination of design, assembly, testing and installation.]

1.2 RELATED SECTIONS

- A. The WORK of the following Sections applies to the WORK of this Section. Other Sections of the Specifications, not referenced below, shall also apply to the extent required for proper performance of this WORK.
 - 1. Section 05120 Structural Steel
 - 2. Section 11000 Equipment, General Provisions

1.3 SPECIFICATIONS AND STANDARDS

- A. Except as otherwise indicated, the current editions of the following apply to the WORK of this Section:
 - 1. AISC Specifications for the Design, Fabrication, and Erection of Structural Steel for Buildings
 - 2. AGMA American Gear Manufacturers Association
 - 3. ANSI B30.11 Overhead and Gantry Cranes (Top Running Bridge, Single or Multiple Girder, Top Running Trolley Hoists)
 - 4. ANSI B30.16 Portal, Tower, and Pillar Cranes
 - 5. ANSI MH 27.1 Specifications for Underhung Crane and Monorail Systems

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| 6. ASTM A 36 | Specification for Structural Steel |
| 7. CMA | Crane Manufacturer's Association of America |
| 8. NEMA | National Electrical Manufacturers Association |

1.4 SHOP DRAWINGS AND SAMPLES

- A. In addition to the requirements of Section 11000, the following shall be submitted in compliance with Section 01300:
 - 1. Shop drawings indicating electrical requirements, weights, loads, dimensions and clearances.

1.5 OWNER'S MANUAL

- A. In addition to the requirements of Section 11000, the following shall be submitted in compliance with Section 01300:
 - 1. Certification by CONTRACTOR and manufacturer that equipment complies with the indicated requirements.

1.6 SERVICES OF MANUFACTURER

- A. Services of manufacturer shall be provided in accordance with Section 11000 when listed in specific hoists and cranes sections.

PART 2 -- PRODUCTS

2.1 MANUFACTURERS

- A. Equipment shall be manufactured by one of the following (or equal):

- Abell-Howe Company
- ACCO Babcock, Inc., (Wright)
- American Monorail
- Cleveland Tramrail
- Lift Tech International, Inc.
- ETN Material Handling (Yale)
- Spanmaster, a Division of Jervis B. Webb Co.
- Thern, Inc., (Cal South Equipment Co.)
- B.E. Wallace Products Corporation

PART 3 -- EXECUTION

3.1 GENERAL REQUIREMENTS

- A. Hoists and cranes shall be installed in accordance with the manufacturer's installation instructions, Section 11000, this Section, and the requirements of the individual hoists and cranes sections.

3.2 FIELD TESTING

- A. The CONTRACTOR shall field test all hoists and cranes to verify their rated load-carrying capacity.

** END OF SECTION **