



BUILDINGS BULLETIN 2013-017

Operational

Supersedes: None

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Purpose: This bulletin clarifies the process to file a certificate of approval application for a tower crane.

Related Code/Zoning Section(s):	BC	3319.4	RS 19-2	3.1
	RS 19-2	2.23.1	RS 19-2	3.2
	RS 19-2	3.0		

Subject(s): Cranes and derrick, tower crane, Certificate of Approval; Cranes and derrick, climber crane, Certificate of Approval; Cranes and derrick, tower crane, prototype, CD-1 form; Cranes and derrick, climber crane, prototype, CD-1 form

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- Applicant.** In accordance with Section 3319.4 of the 2008 New York City Building Code, a tower/climber crane manufacturer ("manufacturer") or a tower/climber crane owner ("owner") may file an application for a certificate of approval ("prototype application") following the procedures set forth in this bulletin.
 - Application.** As part of the filing for a prototype application, the manufacturer or owner shall submit a completed CD-1 form.
 - In Box 3, under the "Applicant" section, the applicant shall be an engineer per Reference Standard (RS) 19-2 section 3.1 ("applicant engineer"). In accordance with the definition of engineer in RS 19-2, section 2.23.1, the engineer must be licensed as a professional engineer by a state, territory, or district of the United States, or by a foreign jurisdiction.
 - In Box 3, under the "Manufacturer" section, the contact information provided shall be for the individual who signs the "Manufacturer Statement" in Box 6. This must be an authorized officer of the manufacturer.
 - Acceptable standards.** RS 19-2, Section 3.2, requires the manufacturer to identify standards used in the design of the crane. For a tower/climber crane, acceptable standards include:
 - ASME B30.3
 - EN13001-2
 - EN14439
 - Affidavit of compliance.** As part of the affidavit of compliance submitted by the manufacturer, the manufacturer must certify:

- a. That the manufacturer possesses an ISO 9000 or ISO 9001 certification, or equivalent international certification acceptable to the commissioner, and that the crane is manufactured at a facility that possesses an ISO 9000 or ISO 9001 certification, or equivalent international certification acceptable to the commissioner. A copy of the relevant certification(s) shall be provided with the affidavit of compliance;
 - b. That the crane was designed in accordance with and meets the requirements of ASME B30.3, and EN13001-2, and EN14439, or equivalent standard(s) acceptable to the commissioner. The year of each standard used shall be identified; and
 - c. That the manuals and load rating charts provided by the manufacturer comply with the requirements of ASME B30.3, or equivalent standard(s) acceptable to the commissioner. The year of the standard used shall be identified.
5. **Compliance with New York City Building Code.** To satisfy the requirements of RS 19-2, Section 3.1, Item #5, the applicant engineer shall certify that he/she has reviewed the manufacturer's design calculations and testing, or has prepared sufficient calculations, and found that the design of the crane conforms to the 2008 New York City Building Code, including the wind load requirements. The certification shall be included with the prototype application.