



# **Cranes & Derricks**

**April 14, 2011**

**Delia Shumway, P.E.  
Executive Director  
Cranes and Derricks Division**

# NYC Crane Regulations

## 2008 Construction Codes

- Chapter 4, Article 404, Rigger License
- Chapter 4, Article 405, Hoisting Machine Operator License
- Chapter 33, Subchapter 3319
- Reference Standard RS 19-2
- RCNY §6 – Chapter 6 - Cranes
- RCNY §9 – Chapter 9 - Rigging Operations
- RCNY §25-01 – Climber and Tower Crane Riggers
- Local Laws 44, 45 and 46 of 2008

# Rigging

## NYC Rules & Regulations:

§28-404.1 Rigger license required. It shall be unlawful to hoist or lower any article on the outside of any building in the city unless such work is performed by or under the direct and continuing supervision of a person licensed as a rigger under the provisions of this article.

## OSHA Regulations:

§1926.1404 and § 1926.1425 A qualified rigger is a rigger who meets the criteria for a qualified person. Employers must determine whether a person is qualified to perform specific rigging tasks. Riggers do not have to be certified by an accredited organization or assessed by a third party.

# Rigger Licenses

NYC Rigging licenses are classified as follows:

**Master Rigger:** Authorizes the holder thereof to hoist or lower any article, irrespective of weight, on the outside of any building.

**Special Rigger:** Authorizes the holder thereof to hoist or lower any article not exceeding 2,000 pounds in weight on the outside of any building.

**Climber or Tower Crane Rigger:** Authorizes the holder thereof to erect or dismantle a tower crane or a climber crane on a building and to use a derrick in their removal.



# Power Lines

## NYC Rules & Regulations

No crane or derrick shall be operated in such a location that any part of the machine or of its load shall at any time come within 15 feet of an energized power line.

## OSHA Rules & Regulations

Minimum clearance between the power lines and any part of the crane shall be 10 ft for lines rated 50 kV or below. This clearance distance increases to 45 ft lines rated 1,000 kV, as per Table A, §1926.1407-1410.

# Wind Speed Limitations

## NYC Rules & Regulations:

No crane or derrick operator shall start an operation when the wind speed exceeds **30 m.p.h.**, or when the wind is predicted to reach **30 m.p.h.** before the operation can be completed.

## OSHA Rules & Regulations:

No maximum wind speeds are dictated. The A/D Director (qualified person) determines the maximum safe wind speed during erection, climbing and dismatling, provided the wind speeds do not exceed the manufacturer's recommendations. The qualified person determines if it is unsafe to hoist personnel when wind speeds exceed 20 mph.

# Articulating/Knuckle-Boom Truck Cranes

## NYC Rules & Regulations

DOB excludes articulating/knuckle-boom truck cranes when they are used exclusively for loading and unloading of trucks or trailers, provided that the length of boom does not exceed 135 ft and that any material transported thereon shall not be raised more than 100 ft in the unloading process.

## OSHA Rules & Regulations

OSHA excludes articulating/knuckle-boom truck cranes when:

- Material is delivered from the truck to the ground
- The crane is used to transfer building supply sheet goods or building supply packaged materials onto a structure, but only when the truck crane is equipped with an automatic overload prevention device.
- This exclusion does not apply for erection or delivery to the structure of steel, precast concrete, trusses, etc.

# Upcoming Changes

## Cranes and Derricks Information to be posted on the DOB website



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### NYC Department of Buildings Buildings Information System

Welcome to the Department of Buildings online query system. You can search for general information on a property in the city including recorded complaints and violations, actions, applications, and inspections. You can also search for information about tradespeople licensed by the Department. The information provided here comes directly from the Department's Building Information System. Look for additional functionality to be added in the future. If you have any questions please review these [Frequently Asked Questions](#), the [Glossary](#), or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

**BIS Web Internet Security Policy:** In order to provide the best BIS (Building Information System) experience for all users and to ensure there is no degradation in system performance, the Department closely monitors user traffic. System devices are installed to monitor bandwidth utilization and high traffic volume and are set to restrict the daily bandwidth utilization to 400 MB, effective August 18, 2008. The Department will deny future access to those IP addresses in violation of this policy. In addition, the Department restricts access to users of robots, web crawlers, automatic scripts and other methods that consume excessive bandwidth to download information from BIS.

**Using the BIS search features:** When entering information in most queries, it is important to data enter complete information for fields such as Address, License Number and Job Number. Wildcard searches in most queries will not result in the retrieval of information unless specifically noted.

#### BIS Menu

- A** [Building Information Search](#)  
[\(Modem/Dial-Up Users Click Here if Above Link Fails\)](#)
- B** [Skilled Trades Licensees / General Contractors / Registrant Search](#)
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# Upcoming Changes

## Certificate of Operation (aka CD)

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NYC Department of Buildings  
Cranes & Derricks CD

CD NUMBER: 4107	MANUFACTURER: LINK-BELT
PROTOTYPE: P518	MODEL: RTC 8050 II JANUARY 2008
EQUIPMENT TYPE: MOBILE CRANE - TRUCK	SERIAL No.: J6J8-0183

[Payment History](#) [Certificate of Operation](#)

**Filing Information**

Application Status: APPROVED FOR USE 03/30/2011	Filing Type: RENEWAL
Filed: 03/04/2011	Registration Expiration Date: 03/05/2012
Invoice Number: 60968813	Fee Paid: \$250.00

**Applicant**


Name: THOMAS AURINGER	Title: PRESIDENT
Business Name: US CRANE & RIGGING LLC	
Business Address: 1520 DECATUR ST RIDGEWOOD NY 11385	
Phone: 718-418-2020	Fax: 718-418-5556
E-Mail: SSBINC992@AOL.COM	

**Owner**

Name: THOMAS AURINGER	Title: PRESIDENT
Business Name: US CRANE & RIGGING LLC	
Business Address: 1520 DECATUR ST RIDGEWOOD NY 11385	

# Upcoming Changes


## Printable CD Certificates

<b>NYC</b> Buildings		
<b>CRANES &amp; DERRICKS</b>		
<b>Certificate of Operation</b>		
CD Number: 4107	Issued: 03/30/2011	Expires: 03/05/2012
Serial #: J678-0183		
Owner Information: US CRANE & RIGGING LLC 1520 DECATUR ST RIDGEMOOD NY 11395		
Equipment Type: MOBILE CRANE - TRUCK		
Make: LINK-BELT		
Model: RTC 8050 II		Year: 2008
Emergency Telephone Day or Night: 311		
Assistant Commissioner: <i>Michael Alacha</i>		
Commissioner of Buildings: <i>Robert Kelly</i>		
Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.		

# Upcoming Changes

## Certificate of On-Site Inspection (aka CN, CD-4)

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NYC Department of Buildings  
**Cranes & Derricks Crane Notice**

CN NUMBER: 0610 10      LOCATION: 4 EAST 94 STREET MANHATTAN  
EQUIPMENT TYPE: MOBILE CRANE      BIN: 1047133    BLOCK: 1505    LOT: 66  
CD'S: 3992 3688 3733      BIS Job No: 120453838  
[Components](#)      [Objections](#)      [On-Site Inspection Certificate](#)      [Payment History](#)

**Filing Information**

Application Status: APPROVED FOR USE	01/10/2011	Filing Type: INITIAL
Filed:	09/27/2010	Expires: 10/27/2011
Invoice Number:	60924851	Fee Paid: \$150.00
Foundation Plans Received:		Foundation inspected on: 01/06/2011
CD8 Filing Status:		
Date of 10E:	01/07/2011	Date of 10F:

**Maximum Length Per Phase**



PHASE	MAST HEIGHT	BOOM LENGTH	JIB LENGTH	TOTAL COMBINED LENGTH
1		127FT	30FT	157FT

**Applicant**

Name: ANTHONY FRANCO	Title: PRINCIPLE
License: 50542	License Type: PE
Business Name: ANTHONY FRANCO P.E., P.C	

# Upcoming Changes

## Printable Certificates for Jobsite Posting

<b>NYC</b> <sup>TM</sup>			
<b>Buildings</b>			
<b>CRANES &amp; DERRICKS</b>			
<b>On-Site Certificate (CN)</b>			
CN Number: 061010	Job Number: 120453939	Issued: 09/29/2010	Expires: 10/27/2011
Address: 4 EAST 94 STREET MANHATTAN		Applicant: ANTHONY FRANCO P.E., P.C. 960 BELLMORE AVENUE NORTH BELLMORE NY 11710	
Equipment Type: MOBILE CRANE			
Emergency Telephone Day or Night: 311			
Assistant Commissioner: <i>Michael Alacha</i>	Commissioner of Buildings: <i>Robert K. Kelly</i>		
Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.			





**NYC**<sup>TM</sup>  
**Buildings**