FOI # 13755 (Revised)

Duffy, Daniel

From: Gregory Mantell [greg@gregorymantell.com]
Sent: Monday, April 22, 2013 10:26 AM
To: Duffy, Daniel
Cc: Office of Inspector General
Subject: Re: Freedom of Information Request Reference No. 13755

Correction: Since the foundation work on One World Trade Center began in 2006, the time period I am interested in is 2006 to present...

From: Gregory Mantell <greg@gregorymantell.com>
To: "Duffy, Daniel" <dduffy@panynj.gov>
Sent: Monday, April 22, 2013 9:24 AM
Subject: Re: Freedom of Information Request Reference No. 13755

However, if you wish more information regarding the timeframe...

1) since construction on One World Trade Center began in 2008, the time period for the inspections I am requesting would be from 2008 to present
2) I want copies of any safety inspections or violations issued by the NY Dept of Buildings for the constructions cranes used on One World Trade Center as well as copies of any other safety inspections performed by the NY Dept. of Buildings at the One World Trade Center site as well as any other notice of violations issued by the NY Dept of Buildings at the One World Trade Center site....

Thank you for your time and attention.
Greg Mantell

THE PORT AUTHORITY OF NY & NJ

FOI Administrator

August 1, 2013

Mr. Gregory Mantell
The Gregory Mantell Show
1223 Wilshire Blvd. 904
Santa Monica, CA 90403-5400

Re: Freedom of Information Reference No. 13755

Dear Mr. Mantell:

This is a response to your April 22, 2013 request, which has been processed under the Port Authority's Freedom of Information Code (the "Code") for copies of all safety inspections or violations issued by the New York City Department of Buildings ("NYCDOB") for the construction cranes used on One World Trade Center as well as copies of any other inspections or violations issued by the NYCDOB from 2006 to the present.

Material responsive to your request and available under the Code can be found on the Port Authority's website at http://www.panynj.gov/corporate-information/foi/13755-WTC.pdf. Paper copies of the available records are available upon request.

Please refer to the above FOI reference number in any future correspondence relating to your request.

Very truly yours,

Daniel D. Duffy
FOI Administrator

225 Park Avenue South, 17th Floor
New York, NY 10003
T: 212 435 3642
F: 212 435 7555

NYC Buildings

MANHATTAN
Cranes & Derricks, 5th Floor
280 Broadway
New York, NY 10007
(212)-566-4696

3743

LETTER OF DEFICIENCY

THE CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

Port Authority of New York and New Jersey
Attn: Chief Engineer
115 Broadway – 6th Floor
New York, New York 10006

You are hereby notified that there exists a violating condition in the subject premises as described below, and are ordered to remove this violation immediately. You must notify the Department of Buildings, Cranes & Derricks Division of the corrective action within 72 hours of this Letter of Deficiency. All inquiries and references to this Letter of Deficiency should be directed to the New York City Department of Buildings, Cranes & Derricks Division.

COMMISSIONER OF BUILDINGS

Location			Boro	Violation Number				
ONE WORLD TRADE CENTER			M	Date	Type	Dist.	No.	Quad.
Construction: MEGA BUILDING	No. of Stories	Block: 58	Lot: 1	04/24/09	CSS	CN	01	PI
Occupied at Time of Inspection as: VACANT CONSTRUCTION SITE				Complaint No.			Docket No.	
Section(s) Violated: BC 3316.2 & 3319.6 of the ADMIN CODE							/ /	

DESCRIPTION OF VIOLATION: FAILURE TO OBTAIN A CERTIFICATE OF ON-SITE INSPECTION AND OF MAINTAINING HOISTING EQUIPMENT & ITS SUPPORTS THEREBY CREATING A HAZARD TO PUBLIC & PROPERTY - UPON INSPECTION IT WAS FOUND THAT DEFICIENCIES OF CONSTRUCTION EXIST IN THE WELDMENTS OF THE BOOM SECTION OF THE NORTH TOWER CRANE CO 3743

Reinspection Date | Priority

REMEDY/REQUIREMENTS: PROVIDE INSPECTION DOCUMENTATION, REPAIR PROCEDURES & ENGINEER'S CERTIFICATION OF STRUCTURAL ADEQUACY & CRANES FITNESS TO RETURN TO SERVICE

Filed By (Signature)	Print Name	Badge Number
P. Rizarry	P. RIZARRY	1949

AFFIDAVIT OF SERVICE BY MAIL – City and State of New York, County of _____) ss: The undersigned being duly sworn, deposes and says that I am an employee in the New York City Department of Buildings, I am over 18 yeast of age, and on _____, I served this Notice of Violation by depositing a copy thereof, enclosed in a post-paid wrapper, in an official depository under the exclusive care and custody of the U.S. Postal Service within New York City, addressed to the party indicated above and addressed to each of the following persons at the addresses set forth after each name:

1. _____

2. _____

Sworn to before me this_____

Day of_____, 20_____

X_____
NOTARY PUBLIC/COMMISSIONER OF DEEDS

X_____
Signature

_____
Print Full Name

Information pertaining to SWO's from city

WTC Construction
115 Broadway 6th Floor
New York, NY 10006

THE PORT AUTHORITY OF NY & NJ

Phone: 212-435-5612
Fax: 212-435-5609

April 29, 2009

City of New York
Department of Buildings
Cranes & derricks Division
280 Broadway – 5th Floor
New York, New York 10007

Attn: Mr. Jason Ocharsky, P.E.

SUBJECT: ONE WORLD TRADE CENTER
North Tower Crane #1 – CD # 3743
Favelle Favco Model # M760D – Serial # 1166
"Weld Repair of Boom Section # 1166-B8"

Reference: - Letter of Deficiency, dated 4/24/09 (received 4/27/09)

Dear Mr. Ocharsky:

This office hereby acknowledges the receipt of the above referenced letter (the "Letter") regarding the weld repair of the subject crane boom section, and in accordance with Paragraph #14 of the Memorandum of Understanding executed on March 5, 2009 between the Port Authority of New York and New Jersey (the "Authority") and The New York City Department of Buildings (the "Department"), offers the following response.

During a scheduled inspection of the subject crane on April 18, 2009, an incomplete weld and hairline crack was discovered at the connection between the diagonal lacing and bottom cord of Boom Section #1166-B8. In response, the subject crane was removed from service, and a weld repair was performed in accordance with the manufacturer's requirements and tested on April 25, 2009. Attached for your information in this regard are the following:

- 1 World Trade Center – Above Grade Steel Contract – New York, NY – Means & Methods- North Tower Crane (CD#3743) – Boom Incomplete Weld Repair, Revision 00, dated April 21, 2009
- Eddy-Current Inspection Report, dated April 18 & 25, 2009
- Magnetic Particle Inspection Report, dated April 25, 2009
- Welding Inspection Report, dated April 25, 2009
- Tower Crane Engineer of Record Certification, dated April 29, 2009.

If you have any questions, or require any additional information regarding the above repair measures, please either email me at toconnor@panynj.gov, or call me at (917) 697-7046.

Very truly yours,

Thomas J. O'Connor, P.E.
Senior Engineer of Construction
The World Trade Center

cc: W. Dougherty, J. Keane, F. Lombardi, S. Plate, A. Reiss, J. Schwed, T. Stickelman, P. Taylor

NYC Dept. of Buildings Cranes & Derricks Division - 280 Broadway, Room 501, New York, NY 10007
Tel: (212) 566-4696 Fax: (212) 566-5871 E-mail: candd@buildings.nyc.gov

MOBILE ON-SITE AND ANNUAL INSPECTION CHECKLIST

1. Inspection Information

Date of Inspection: 09/29/2009 Site Location: 1WTC (AKA Tower 1) Boro: Manhattan CN: —

Inspector Name: [illegible] Badge No.: 2439

Type of Inspection: Annual Re-Inspection (On-Site) Audit Patrol Sweep Chief Special SWO Lift# Complaint#

Inspection Results: No Deficiencies Issue CD Re-inspect SWO Issued # Number of Violations Issued

2. Crane Data

Make: Manitowoc Model: 18000 Serial No.: 1800-1054 Year: 2008

CD: 4164 Expiration Date: 08/22/10 Max Capacity: 660-TONS Picture Taken: Y N

Crane Types: (BT) Boom Truck ((CC) Crawler Crane) (D) Derrick (MC) Mobile Crane (MMC) Multi-Station Mobile Crane (MT) Mobile Truck Tower Crane (P) Pile Driver

3. Crane Owner Information

Crane Owner Name: New York Crane & Equipment Corp. Contact Name: James Lowe Telephone: 718-254-9800

4. User Information

Company Name: D.C.M. Errectors Inc. Contact Name: Arnold Van Hees Telephone:

5. Rigger Information

Last Name: First Name: MI:

Licence No.: Expiration Date: N/A Type: Master Tower Special Master Hanger Special Hanger

6. Crane Safety Coordinator Information

Last Name: First Name: MI:

Licence No.: Expiration Date: N/A On Site: Y N NA

7. Hoist Machine Operator Information

Last Name: Gray First Name: Francis MI: X - Jr.

Licence No.: 5544 Expiration Date: 07/31/12 Type: Class A Class B Class C1 Class C2 Class C3

8. General Contractor/Site Safety Manager Information

Company Name: N/A Contact Name: Telephone:

Licence No.: Expiration Date: General Contractor Site Safety Manager

9. ON-SITE INSPECTION

Item No.	Inspected Item	Code Section	SWO #1	Status*
9a	Filing Application & Plan Data			
1	Approved Permits & Plans on site	BC3319.4 & .5	1	
2	Supporting Soil/Pad/Mat	RS 19-2.8.1.1 & 8.4	1	
3	Crane set-up conformity	RS 19-2.8.0	1	
4	CN - On-Site Sign-off (CD-4)	RS 19-2.8.1	1	
5	CD - Approved CD (CD-2)	BC3319.4 & .5	1	
9b	Historical Data			
6	Daily/Montly Inspection Records	**B30.5-2.1.5	2	
7	Signed & Dated	**B30.5-2.1.5	2	
9c	General			
8	Main Frame Member	RS 19-2.15.4.1	2	
9	see section 10b page 2	items 5, 7, 8 & 10	2	
9d	Outriggers			
10	see section 10f page 2	items 48 thru 56	1	
9e	Crawler Assembly			
11	see section 10g page 2	items 57 thru 60	1	S
9f	Operator's Cab & Station			
12	see section 10h page 2	items 64, 72, 77, 79, 80, 82-84		S
9g	Load Chart			
13	see section 10i psge 2	items 86 & 88	1	S

9. ON-SITE INSPECTION - CONTINUED

Item No.	Inspected Item	Code Section	SWO #1	Status*
9h	Safety Devices/Operational Aids			
14	see section 10j page 2	items 92-100, 102 & 103		
9i	Power Plant - Upper			
15	Excess Smoke	RS 19-2.15.4.7	2	
16	see section 10k page 2	items 105, 106 & 108	2	
9j	Rotating Upper Superstructure			
17	Turntable	RS 19-2.15.4.4	1	S
18	Pumps/Motors/Valves/Lines/Tubes	B30.5-2.1.3(l)(m)(n)	1	S
19	Ring Gear/Pinion Gear/Rollers	RS 19-2.15.4.4	1	S
20	Main Hoist and Rope	see sections 9f & 9i	1	S
21	Auxiliary Hoist and Rope	see sections 9f & 9i	1	S
22	Boom Hoist and Rope	see sections 9f & 9i	1	S
23	Luffing Boom Hoist and Rope		1	S
9k	Lattice Boom			
24	see section 10o page 3	items 148, 152-154	1	S
9l	Telescopic Boom			
25	see section 10q page 3	items 168, 170-172	1	
9m	Wire Rope, Hook, Block & Ball			
26	see section 10s page 3	items 186-190	1	S
27	see section 10t page 3	items 191/192a-c & f	1	S

10 ANNUAL INSPECTION				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10a	Historical Data			
1	Monthly Inspection Records	**B30.5-2.1.5	2	
2	Maintenance Records	RS 19-2.17.1.1	2	
3	Repair/Modification Records	RS 19-2.17.3.4	2	
4	Other			
10b	Carrier			
5	Sheet Metal	**B30.5-1.2.1(a)	2	S
6	Guards/Covers	1926.550(a)(8) & (10)	2	S
7	Internal/External Lights	1926.601(2)(I) & (II)	2	S
8	Housekeeping	RS 19-2.26.0	2	S
9	Safety/Warning Decals & Labels	1926.550(g)(2)	2	S
10	Hand Signal Chart	1926.550(a)(4)	2	S
11	Paint Condition/Corrosion Control	RS 19-2.15.4.1	2	S
12	Other			
10c	Driver's Cab & Station			
13	Access - Grab Rails/Steps	1926.550(a)(13)(I) & (II)	2	
14	Glass	1926.550(a)(12)	1	
15	Windshield Wiper(s)	1926.601(b)(2)(I) & (II)	2	
16	Door(s) Restraint(s)	**B30.5-1.8.1.(c)	2	
17	Mirrors	1926.601(b)(4)	2	
18	Fire Extinguisher	RS 19-2.28.0	2	
19	Seat(s) Restraint(s)	1926.601(b)(8)	2	
20	Seat Belt(s)	1926.601(b)(9)	2	
21	Parking Brake	1926.601(b)(1)	2	
22	Air Pressure	RS 19-2.15.3.4	2	
23	Controls Identified	1926.550(a)(2)	2	
24	Instruments/Gauges	RS 19-2.15.4.6	2	
25	Electrical Switches/Functions	RS 19-2.15.3	2	
26	Horn	1926.601(b)(3)	2	
27	Ligths	1926.550(a)(4)	2	
28	Steering	RS 19-2.15.4.10	2	
29	Engine Clutch	**B30.5-1.6.4	2	
30	Accelerator	**B30.5-1.6.3(b)	2	
31	Brake	RS 19-2.15.4.10	2	
32	Other			
10d	Carrier Power Plant - Lower			
33	Performance	RS 19-2.15.4.7	2	S
34	Exh System/Guards & Insulators	1926.550(a)(10)	2	S
35	Belts/Hoses	RS 19-2.15.4	2	S
36	Guard/Cover/Rotat & Recip Parts	1926.550(a)(8)	2	S
37	Other			
10e	Carrier			
38	Transmission	RS 19-2.15.4	2	
39	Drive Line	RS 19-2.15.4	2	
40	Tire/Air Pressure/Wheels	RS 19-2.15.4.11	2	
41	Main Frame Members	RS 19-2.15.4.1	2	
42	Hydraulic Hoses/Tubing/Fitting	B30.5-2.1.3(I)	1	
43	Hydraulic Fluid Level	B30.5-2.1.3(h)	1	
44	Anti-Skid Surface	1926.550(a)(13)(III)	2	
45	Front Bumper Counterweight	RS 19-2.15.4(2&4)	2	
46	Backup Alarm	1926.601(b)(4)(I)	2	
47	Other			
10f	Outriggers			
48	Boxes	RS 19-2.15.4.1	1	
49	Beams	RS 19-2.15.4.1	1	
50	Cylinders	RS 19-2.15.4	1	
51	Floats/Pads	**B30.5-1.9.3(d)	1	
52	Hydraulic Hoses/Tubes/Fittings	RS 19-2.15.3.4	1	
53	Holding Valves	**B30.5-1.9.3(b)	1	
54	Position Locks	RS 19-2.15.4.4	1	
55	Warning Signs	1926.550(a)(2)	1	
56	Blocking/Cribbing		1	

10 ANNUAL INSPECTION CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10g	Crawler Assembly			
57	Car Body/Side Frames	**B30.5-1.8	1	S
58	Chain - Condition/Adjustment	RS 19-2.15.4.8	1	
59	Sprockets/Idlers/Rollers	RS 19-2.15.4	1	S
60	Track Pads/Pins	RS 19-2.15.4	1	S
61	Travel Locks	**B30.5-1.5.3(d)	1	S
62	Steering Clutches	**B30.5-1.5.2(b)	1	S
63	Other			
10h	Operator's Cab & Station			
64	Grab Rails/Steps/Platforms	1926.550(a)(13)(I & III)	2	S
65	Anti-Skid Surface	1926.550(a)(13)(III)	2	S
66	Glass	1926.550(a)(12)	1	S
67	Windshield Wiper(s)	1926.601(2)(I) & (II)	1	S
68	Door Restraint	**B30.5-1.8.1.(c)	2	S
69	Fire Extinguisher	RS 19-2.28.0	2	S
70	Mirrors	1926.601(b)(4)	2	S
71	Seat Restraint	1926.601(b)(8)	2	S
72	Seat Belt/if required	1926.601(b)(9)	2	S
73	Operator's Manual	1926.550(a)(1)	1	S
74	Operating Instructions/Decals	1926.550(a)(2)	2	S
75	Electrocution Warning Sign - Inside	1926.550(a)(2)	2	S
76	Hand Signal Chart	1926.550(a)(4)	1	S
77	Swing Brake/House Lock	**B30.5-1.4.2(a)/(b)	1	S
78	Positive Swing Lock	**B30.5-1.4.2(b)	1	S
79	Controls - Forces/Movements	**B30.5-1.6.2	1	S
80	Air Pressure	RS 19-2.15.3.4	2	S
81	Foot Brakes - Latches/Linkage	**B30.5-1.3.2(b)(2)	1	S
82	Power Controlled Lowering	**B30.5-1.3.2(c)	1	S
83	Engine Clutch	**B30.5-1.6.4	2	S
84	Accelerator/Throttle Control	**B30.5-1.6.3(b)	2	S
85	Other			
10i	Load Chart			
86	Per Configuration	1926.550(a)(1 & 2)	1	N/A
87	Durable	**B30.5-1.1.3	1	S
88	Legible	**B30.5-1.1.3	1	S
89	Visible from Operator's Station	**B30.5-1.1.3	1	S
90	Secured	**B30.5-1.1.3	2	S
91	Other			
10j	Safety Devices/Operational Aids			
92	Warning Decals	1926.550(a)(2)	1	S
93	Boom Angle Indicator	RS 19-2.19.1.3	1	S
94	Main Drum Rotation Indicator	RS 19-2.19.3(e)	1	S
95	Auxiliary Drum Rotation Indicator	RS 19-2.19.3(e)	1	S
96	Load Moment Indicator	**B30.5-2.1.2(a)(3)	1	N/A
97	Load Weight Indicator	RS 19-2.19.1	1	N/A
98	Radius Indicator	RS 19-2.19.1.3	1	S
99	Crane Level Indicator	RS 19-2.19.3(d)	1	S
100	Anti-Two Block Device	RS 19-2.19.2	1	S
101	Two-Block Warning Device	RS 19-2.19.2	1	S
102	Boom Hoist Shutoff***	RS 19-2.19.3(c)	1	N/A
103	Boom Hoist Ratchet and Pawl	**B30.5-1.3.1(c)	1	S
104	Other			
10k	Power Plant - Upper			
105	Performance	RS 19-2.15.4.7	2	S
106	Exh System Guards & Insulators	1926.550(a)(10)	2	S
107	Belts/Hoses	B30.5-2.1.3	2	S
108	Guard Cover/Rotat & Recip Parts	1926.550(a)(8)	2	S
109	Other			
10l	Rotating Upper Superstructure			
110	Turntable/Bearing	RS 19-2.15.4.4	1	S
111	Turntable - Rollers/Roller Path	RS 19-2.15.4.4	1	S
112	Ring Gear/Pinion Gear	RS 19-2.15.4.4	1	S

10 ANNUAL INSPECTION CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10m	Rotating Upper Superstructure Continued			
113	Hydraulic Pump(s)	B30.5-2.1.3(m)	1	S
114	Hydraulic Pressure	B30.5-1.1.3(n)(5)	1	S
115	Electrical Wiring	RS 19-2.15.3.7	1	S
116	Main Hoist - Clutches/Brakes	**B30.5-1.3.2(a)(1)	1	S
117	Main Hoist - Wrapping On Drum	RS 19-2.15.3.6	1	S
118	Main Hoist - Min Rope Wraps	**B30.5-1.3.2(a)(2)a	1	S
119	Auxiliary Hoist - Clutches/Brakes	B30.5-1.3.2.1	1	S
120	Auxiliary Hoist - Wrap On Drum	RS 19-2.15.3.6	1	S
121	Auxiliary Hoist - Min Rope Wraps	**B30.5-1.3.2(a)(2)a	1	S
122	Boom Hoist - Clutches/Brakes	**B30.5-1.3.1(a)	1	S
123	Boom Hoist - Wrapping On Drum	RS 19-2.15.3.6	1	S
124	Boom Hoist - Min Rope Wraps	**B30.5-1.3.1(d)(1)	1	S
125	Boom Hoist - Gears/Shafts/etc...	RS 19-2.15.4.4	1	S
126	Swing System/Assembly	**B30.5-1.4	1	S
127	Hydraulic Motor/Valve/Line/etc...	B30.5-2.1.3	1	S
128	Drums/Flanges	RS 19-2.15.4.3	1	S
129	Clutch/Brake Protection	**B30.5-1.9.7	1	S
130	Torque Converter	**B30.5-1.6.4	1	S
131	Anti-Skid Surface	1926.550(a)(13)(iii)	2	S
132	Steps/Hand Holds/Platforms	B30.5-1.6.3(b)	1	S
133	Access to Cab and Roof	B30.5-1.6.4	1	S
134	Air System - Compressor/Line/etc...	RS 19-2.15.3.4	1	S
135	Counterweight Frame& Mounting	RS 19-2.15.4.(1 & 4)	1	S
136	Counterweight Warning Signs	1926.550(a)(2)	1	S
137	Electrocution Warning Sign Outside	1926.550(a)(2)	1	S
138	Other		1	
10n	Boom Support System			
139	Gantry/Mast	**B30.5-1.3.1	1	S
140	Boom Stops	RS 19-2.19.3(c)	1	S
141	Inner Ball	**B30.5-1.3.1	1	S
142	Outer Ball/Equalizer	**B30.5-1.3.1	1	S
143	Sheaves	RS 19-2.15.4.3	1	S
144	Boom Hoist Reeving	RS 19-2.19.3.6	1	S
145	Other			
10o	Lattice Boom			
146	Boom Section Identification			S
147	Boom Section Sequence			S
148	Boom Section Alignment	RS 19-2.15.4.1	1	S
149	Warning Decals	1926.550(a)(2)	2	S
150	Spreader Bar			S
151	Sheaves	RS 19-2.15.4.3	1	S
152	Hoist Line Dead End	B30.5-1.7.3	1	S
153	Wire Rope Retainer(s)	B30.5-1.7.4(b)	1	S
154	Boom Foot Pins/Keepers	RS 19-2.15.4.4	1	S
155	Boom Head Section	RS 19-2.15.4.1	1	S
156	Auxiliary Boom Head	RS 19-2.15.4.1	1	S
157	Lattice Member	RS 19-2.15.4.1	1	S
158	Cord Members	RS 19-2.15.4.1	1	S
159	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	S
160	Other			
10p	Lattice Jib			
161	Positive Stops	1926.550(b)(1)	1	S
162	Sheave(s)	RS 19-2.15.4.3	1	S
163	Wire Rope Retainer(s)	**B30.5-1.7.4(b)	1	S
164	Lattice Member	RS 19-2.15.4.1	1	S
165	Cord Members	RS 19-2.15.4.1	1	S
166	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	S
167	Other			
10q	Telescopic Boom			
168	Lift Cylinder(s)	B30.5-2.1.3(o)	1	
169	Telescoping Cylinder(s)	B30.5-2.1.3(o)	1	

10 ANNUAL INSPECTION CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10q	Telescopic Boom Continued			
170	Hydraulic Hoses/Tubing Fittings	B30.5-2.1.3(l)	1	
171	Holding Devices	B30.5-2.1.3(n)	1	
172	Boom Section Alignment	RS 19-2.15.4.1	1	
173	Wear Pads	RS 19-2.15.4.5	1	
174	Equal Extension	RS 19-2.15.4	1	
175	Sheaves	RS 19-2.15.4.3	1	
176	Structure/Welds		1	
177	Boom Hinge Pin	RS 19-2.15.4.4	1	
178	Boom Head Section	RS 19-2.15.4.1	1	
179	Wire Rope Retainer	**B30.5-1.7.4(b)	1	
180	Other			
181	Other			
10r	Solid Jib Extension Manual Sections			
182	Alignment	RS 19-2.15.4.1	1	
183	Locking Devices	RS 19-2.15.4.4	1	
184	Structure/Welds		1	
185	Other			
10s	Wire Rope			
185	Boom Hoist			
186a	Size/Construction: 1/2 inch	RS 19-2.18.2.3	1	S
186b	Damage	RS 19-2.18.2	1	S
186c	Lubrication	RS 19-2.18.3.5	1	S
186d	Other			
187	Main Hoist			
187a	Size/Construction: 1/2 inch	RS 19-2.18.2.3	1	S
187b	Damage	RS 19-2.18.2	1	S
187c	Lubrication	RS 19-2.18.3.5	1	S
187d	Other			
188	Auxiliary Hoist/Whip Line			
188a	Size/Construction: 1/2 inch	RS 19-2.18.2.3	1	S
188b	Damage	RS 19-2.18.2	1	S
188c	Lubrication	RS 19-2.18.3.5	1	S
188d	Other			
85	Boom Pendants			
189a	Size/Construction: 1/2 inch	RS 19-2.18.2.3	1	S
189b	Damage	RS 19-2.18.2	1	S
189c	Lubrication	RS 19-2.18.3.5	1	S
189d	Other			
190	Jib Pendant			
190a	Size/Construction: ____ inch	RS 19-2.18.2.3	1	
190b	Damage	RS 19-2.18.2	1	
190c	Lubrication	RS 19-2.18.3.5	1	
190d	Other			
10t	Hooks, Blocks & Balls			
191	Main Block & Hook			
191a	Weight & Capacity Label	B30.5-1.7.6	1	S
191b	Sheaves	RS 19-2.15.4.3	1	S
191c	Safety Latches	B30.5-1.7.6	1	S
191d	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	S
191e	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	S
191f	Wedge Socket End Fitting	**B30.5-1.7.3.(c)	1	S
191g	Non-Destructive Test Results	RS 19-2.15.4.9	1	S
191h	Other			
192	Ball & Hook			
192a	Weight & Capacity Label	B30.5-1.7.6	1	S
192b	Safety Latches	B30.5-1.7.6	1	S
192c	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	S
192d	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	S
192e	Wedge Socket End Fitting	**B30.5-1.7.3.(c)	1	S
192f	Non-Destructive Test Results	RS 19-2.15.4.9	1	S
192g	Other			

(Boom) (Luffing Jib) (Mast)

Main Characteristics

Boom I.D. No.	Length	Jib I.D. No.	Length	Mast I.D. No.	Length
B1 1054 (Heel)	20'	LJ1-1054 (Heel - with Attached mast	20'	MM 1054 (Heel)	20'
B2 1054 (Insert)	10'				
B3 1054 (Insert)	40'			MM 1054 (Insert)	40'
B4 1054 (Insert)	40'	LJ2-1054 (Insert)	20'		
B5 1054 (Insert)	20'			MM 1054 (Insert)	20'
B13 1054 (Insert)	20'	LJ3 1054 (Insert)	40'		
B14 1054 (Head with attached mast)	30'			MH 1054 (Head)	20'
		LJ4 1054 (Insert)	20'		
		LJH-1054 (Head)	30'		
		Tel-1054-Point	7-6"		
Total Length	190'-0"	Total Length	187'-6"	Total Length	100'
Cords: Tubular Angular		Cords: Tubular Angular		Cords: Tubular Angular	
Lacings: Tubular Angular		Lacings: Tubular Angular		Lacings: Tubular Angular	

Assembled Notes:

Unassembled Notes:

*Status: (S) Satisfactory (U) Deficiencies (IS) Parts hidden however functional (-) Not Applicable (SWO) Stop Work Order

References: OSHA 29CFR 1926.550 & 1910.180; **ASME B30.5 (1968); ASME B30.5 (2004); 2008 NYC Building Code & RS 19-2 (2006); RCNY

***Consult operator's manual for kick-out angle for boom

2. Summary (Per 2008 Annual Renewal Certificate of Operation, renewal shall be accompanied by inspection and maintenance records in accordance with RS 19-2)

Item Numbers	Deficiencies	Date Corrected
107.	large hole in exhaust hose - REPAIRED	10/7/09 WED
10/7/09 WED	MACHINE REINSPECTED on 10/7/09	
	MAIN BOOM LINE REMOVED	
	1 MAIN LOADLINE AND 1 AUXILIARY LINE	
	FROM LUFFING BOOM ONLY	
	ANEMOMETER MUST BE REPAIRED	10/15/09 (U)
	IN 7 DAYS WILL AUDIT. — USE OTHER	
	CRANES FOR WIND SPEED TEMPORARILY	
	PERRY DeBlasio	
	10/7/09 WIND METER LIGHT (U) 3 of 19	

Remarks

Crane is not Configured per normal Manitowoc load chart, has 8 lengths of Fall for Main boom

Main Boom line has no Computer limits of Safety's. other than Anti two Block - Weight or radious or load limit device.

should be reviewed by D.O.B. engineer Dept

Operator's & Supervising Inspector's Endorsement

Signature of Inspector — Date 09/29/2009.

Signature of Supervising Inspector — Date 10/7/09

FD

NYC Dept. of Buildings Cranes & Derricks Division - 280 Broadway, Room 501, New York, NY 10007
Tel: (212) 566-4696 Fax: (212) 566-5871 E-mail: candd@buildings.nyc.gov

MOBILE ON-SITE AND ANNUAL INSPECTION CHECKLIST

1. Inspection Information

Date of Inspection: 10/30/09 Site Location: WORLD TRADE CENTER Boro: MANH CN:

Inspector Name: P. DADDARIO Badge No.: 2405

Type of Inspection: Annual (Re-inspection) On-Site Audit Patrol Sweep Chief Special SWO Lift# Complaint#

Inspection Results: (No Deficiencies) Issue CD Re-inspect SWO Issued # Number of Violations Issued

2. Crane Data

Make: MANITOWOC Model: 18000 Serial No.: 1800-1054 Year: 2008

CD: 4164 Expiration Date: Max Capacity: 660 TON Picture Taken: Y (N)

Crane Types: (BT) Boom Truck (CC) Crawler Crane (D) Derrick (MC) Mobile Crane (MMC) Multi-Station Mobile Crane (MT) Mobile Truck Tower Crane (P) Pile Driver

3. Crane Owner Information

Crane Owner Name: NY CRANE & EQUIPMENT Corp Contact Name: Telephone:

4. User Information

Company Name: DCM Contact Name: Telephone:

5. Rigger Information

Last Name: N/A First Name: MI:

Licence No.: N/A Expiration Date: Type: Master Tower Special Master Hanger Special Hanger

6. Crane Safety Coordinator Information

Last Name: N/A First Name: MI:

Licence No.: N/A Expiration Date: On Site: Y N NA

7. Hoist Machine Operator Information

Last Name: GRAY First Name: FRANCIS MI:

Licence No.: 5544 Expiration Date: 7/31/12 Type: Class A (Class B) Class C1 Class C2 Class C3

8. General Contractor/Site Safety Manager Information

Company Name: Contact Name: Telephone:

Licence No.: Expiration Date: General Contractor Site Safety Manager

9. ON-SITE INSPECTION

Item No.	Inspected Item	Code Section	SWO #1	Status*
9a	**Filing Application & Plan Data**			
1	Approved Permits & Plans on site	BC3319.4 & .5	1	
2	Supporting Soil/Pad/Mat	RS 19-2.8.1, 7 & 8.4	1	
3	Crane set-up conformity	RS 19-2.8.0	1	
4	CN - On-Site Sign-off (CD-4)	RS 19-2.8.1	1	
5	CD - Approved CD (CD-2)	BC3319.4 & .5	1	
9b	**Historical Data**			
6	Daily/Montly Inspection Records	**B30.5-2.1.5	2	
7	Signed & Dated	**B30.5-2.1.5	2	
9c	**General**			
8	Main Frame Member	RS 19-2.15.4.1	2	
9	see section 10b page 2	Items 5, 7, 8 & 10	2	
9d	**Outriggers**			
10	see section 10f page 2	Items 48 thru 56	1	
9e	**Crawler Assembly**			
11	see section 10g page 2	Items 57 thru 60	1	
9f	**Operator's Cab & Station**			
12	see section 10h page 2	Items 64, 72, 77, 79, 80, 82-84		
9g	**Load Chart**			
13	see section 10i page 2			

9. ON-SITE INSPECTION CONTINUED

Item No.	Inspected Item	Code Section	SWO #1	Status*
9h	**Safety Devices/Operational Aids**			
14	see section 10j page 2	Items 92-100, 102 & 103		
9i	**Power Plant - Upper**			
15	Excess Smoke	RS 19-2.15.4.7	2	
16	see section 10k page 2	Items 105, 106 & 108	2	
9j	**Rotating Upper Superstructure**			
17	Turntable	RS 19-2.15.4.4	1	
18	Pumps/Motors/Valves/Lines/Tubes	B30.5-2.1.3(l)(m)(n)	1	
19	Ring Gear/Pinion Gear/Rollers	RS 19-2.15.4.4	1	
20	Main Hoist and Rope	see sections 9f & 9i	1	
21	Auxiliary Hoist and Rope	see sections 9f & 9i	1	
22	Boom Hoist and Rope	see sections 9f & 9i	1	
23	Luffing Boom Hoist and Rope		1	
9k	**Lattice Boom**			
24	see section 10o page 3	Items 148, 152-154	1	
9l	**Telescopic Boom**			
25	see section 10q page 3	Items 168, 170-172	1	
9m	**Wire Rope, Hook, Block & Ball**			
26	see section 10s page 3	Items 186-190	1	

10 ANNUAL INSPECTION				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10a	Historical Data			
1	Monthly Inspection Records	**B30.5-2.1.5	2	
2	Maintenance Records	RS 19-2.17.1.1	2	
3	Repair/Modification Records	RS 19-2.17.3.4	2	
4	Other			
10b	General			
5	Sheet Metal	**B30.5-1.2.1(a)	2	
6	Guards/Covers	1926.550(a)(8) & (10)	2	
7	Internal/External Lights	1926.601(2)(i) & (ii)	2	
8	Housekeeping	RS 19-2.26.0	2	
9	Safety/Warning Decals & Labels	1926.550(a)(2)	2	
10	Hand Signal Chart	1926.550(a)(4)	2	
11	Paint Condition/Corrosion Control	RS 19-2.15.4.1	2	
12	Other			
10c	Driver's Cab/Station			
13	Access - Grab Rails/Steps	1926.550(a)(13)(i) & (ii)	2	
14	Glass	1926.550(a)(12)	1	
15	Windshield Wiper(s)	1926.601(b)(2)(i) & (ii)	2	
16	Door(s) Restraint(s)	**B30.5-1.8.1.(c)	2	
17	Mirrors	1926.601(b)(4)	2	
18	Fire Extinguisher	RS 19-2.26.0	2	
19	Seat(s) Restraint(s)	1926.601(b)(8)	2	
20	Seat Belt(s)	1926.601(b)(9)	2	
21	Parking Brake	1926.601(b)(1)	2	
22	Air Pressure	RS 19-2.15.3.4	2	
23	Controls Identified	1926.550(a)(2)	2	
24	Instruments/Gauges	RS 19-2.15.4.6	2	
25	Electrical Switches/Functions	RS 19-2.15.3	2	
26	Horn	1926.601(b)(3)	2	
27	Ligths	1926.550(a)(1)	2	
28	Steering	RS 19-2.15.4.10	2	
29	Engine Clutch	**B30.5-1.6.4	2	
30	Accelerator	**B30.5-1.6.3(b)	2	
31	Brake	RS 19-2.15.4.10	2	
32	Other			
10d	Carrier Power Plant - Lower			
33	Performance	RS 19-2.15.4.7	2	
34	Exh System/Guards & Insulators	1926.550(a)(10)	2	
35	Belts/Hoses	RS 19-2.15.4	2	
36	Guard/Cover/Rotat & Recip Parts	1926.550(a)(8)	2	
37	Other			
10e	Carrier			
38	Transmission	RS 19-2.15.4	2	
39	Drive Line	RS 19-2.15.4	2	
40	Tire/Air Pressure/Wheels	RS 19-2.15.4.11	2	
41	Main Frame Members	RS 19-2.15.4.1	2	
42	Hydraulic Hoses/Tubing/Fitting	B30.5-2.1.3(l)	1	
43	Hydraulic Fluid Level	B30.5-2.1.3(h)	1	
44	Anti-Skid Surface	1926.550(a)(13)(iii)	2	
45	Front Bumper Counterweight	RS 19-2.15.4(2&4)	2	
46	Backup Alarm	1926.601(b)(4)(i)	2	
47	Other			
10f	Outriggers			
48	Boxes	RS 19-2.15.4.1	1	
49	Beams	RS 19-2.15.4.1	1	
50	Cylinders	RS 19-2.15.4	1	
51	Floats/Pads	**B30.5-1.9.3(d)	1	
52	Hydraulic Hoses/Tubes/Fittings	RS 19-2.15.3.4	1	
53	Holding Valves	**B30.5-1.9.3(b)	1	
54	Position Locks	RS 19-2.15.4.4	1	
55	Warning Signs	1926.550(a)(2)	1	
56	Blocking/Cribbing		1	

10 ANNUAL INSPECTION - CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10g	Crawler Assembly			
57	Car Body/Side Frames	**B30.5-1.8	1	
58	Chain - Condition/Adjustment	RS 19-2.15.4.8	1	
59	Sprockets/Idlers/Rollers	RS 19-2.15.4	1	
60	Track Pads/Pins	RS 19-2.15.4	1	
61	Travel Locks	**B30.5-1.5.3(a)	1	
62	Steering Clutches	**B30.5-1.5.2(b)	1	
63	Other			
10h	Operator's Cab/Station			
64	Grab Rails/Steps/Platforms	1926.550(a)(13)(i & iii)	2	
65	Anti-Skid Surface	1926.550(a)(13)(iii)	2	
66	Glass	1926.550(a)(12)	1	
67	Windshield Wiper(s)	1926.601(2)(i) & (ii)	1	
68	Door Restraint	**B30.5-1.8.1.(c)	2	
69	Fire Extinguisher	RS 19-2.26.0	2	
70	Mirrors	1926.601(b)(4)	2	
71	Seat Restraint	1926.601(b)(8)	2	
72	Seat Belt if required	1926.601(b)(9)	2	
73	Operator's Manual	1926.550(a)(1)	1	
74	Operating Instructions/Decals	1926.550(a)(2)	2	
75	Electrocution Warning Sign - Inside	1926.550(a)(2)	2	
76	Hand Signal Chart	1926.550(a)(4)	1	
77	Swing Brake/House Lock	**B30.5-1.4.2(a)/(b)	1	
78	Positive Swing Lock	**B30.5-1.4.2(b)	1	
79	Controls - Forces/Movements	**B30.5-1.6.2	1	
80	Air Pressure	RS 19-2.15.3.4	2	
81	Foot Brakes - Latches/Linkage	**B30.5-1.3.2(b)(2)	1	
82	Power Controlled Lowering	**B30.5-1.3.2(c)	1	
83	Engine Clutch	**B30.5-1.6.4	2	
84	Accelerator/Throttle Control	**B30.5-1.6.3(b)	2	
85	Other			
10i	Load Chart			
86	Per Configuration	1926.550(a)(1 & 2)	1	
87	Durable	**B30.5-1.1.3	1	
88	Legible	**B30.5-1.1.3	1	
89	Visible from Operator's Station	**B30.5-1.1.3	1	
90	Secured	**B30.5-1.1.3	2	
91	Other			
10j	Safety Devices/Operational Aids			
92	Warning Decals	1926.550(a)(2)	1	
93	Boom Angle Indicator	RS 19-2.19.1.3	1	
94	Main Drum Rotation Indicator	RS 19-2.19.3(e)	1	
95	Auxiliary Drum Rotation Indicator	RS 19-2.19.3(e)	1	
96	Load Moment Indicator	**B30.5-2.1.2(a)(3)	1	
97	Load Weight Indicator	RS 19-2.19.1	1	
98	Radius Indicator	RS 19-2.19.1.3	1	
99	Crane Level Indicator	RS 19-2.19.3(d)	1	
100	Anti-Two Block Device	RS 19-2.19.2	1	
101	Two-Block Warning Device	RS 19-2.19.2	1	
102	Boom Hoist Shutoff***	RS 19-2.19.3(c)	1	
103	Boom Hoist Ratchet and Pawl	**B30.5-1.3.1(c)	1	
104	Other			
10k	Power Plant - Upper			
105	Performance	RS 19-2.15.4.7	2	
106	Exh System Guards & Insulators	1926.550(a)(10)	2	
107	Belts/Hoses	B30.5-2.1.3	2	
108	Guard Cover/Rotat & Recip Parts	1926.550(a)(8)	2	
109	Other			
10l	Rotating Upper Superstructure			
110	Turntable/Bearing	RS 19-2.15.4.4	1	
111	Turntable - Rollers/Roller Path	RS 19-2.15.4.4	1	
112	Ring Gear/Pinion Gr			

10 ANNUAL INSPECTION CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10h	Rotating Upper Structure Continued			
113	Hydraulic Pump(s)	B30.5-2.1.3(m)	1	
114	Hydraulic Pressure	B30.5-1.1.3(n)(6)	1	
115	Electrical Wiring	RS 19-2.15.3.7	1	
116	Main Hoist - Clutches/Brakes	**B30.5-1.3.2(a)(1)	1	
117	Main Hoist - Wrapping On Drum	RS 19-2.15.3.6	1	
118	Main Hoist - Min Rope Wraps	**B30.5-1.3.2(a)(2)a	1	
119	Auxiliary Hoist - Clutches/Brakes	B30.5-1.3.2.1	1	
120	Auxiliary Hoist - Wrap On Drum	RS 19-2.15.3.6	1	
121	Auxiliary Hoist - Min Rope Wraps	**B30.5-1.3.2(a)(2)a	1	
122	Boom Hoist - Clutches/Brakes	**B30.5-1.3.1(a)	1	
123	Boom Hoist - Wrapping On Drum	RS 19-2.15.3.6	1	
124	Boom Hoist - Min Rope Wraps	**B30.5-1.3.1(d)(1)	1	
125	Boom Hoist - Gears/Shafts/etc...	RS 19-2.15.4.4	1	
126	Swing System/Assembly	**B30.5-1.4	1	
127	Hydraulic Motor/Valve/Line/etc...	B30.5-2.1.3	1	
128	Drums/Flanges	RS 19-2.15.4.3	1	
129	Clutch/Brake Protection	**B30.5-1.9.7	1	
130	Torque Converter	**B30.5-1.6.4	1	
131	Anti-Skid Surface	1926.550(a)(13)(iii)	2	
132	Steps/Hand Holds/Platforms	B30.5-1.8.3(b)	1	
133	Access to Cab and Roof	B30.5-1.8.4	1	
134	Air System - Compressor/Line/etc...	RS 19-2.15.3.4	1	
135	Counterweight Frame& Mounting	RS 19-2.15.4.(1 & 4)	1	
136	Counterweight Warning Signs	1926.550(a)(2)	1	
137	Electrocution Warning Sign Outside	1926.550(a)(2)	1	
138	Other		1	
10i	Boom Support System			
139	Gantry/Mast	**B30.5-1.3.1	1	
140	Boom Stops	RS 19-2.19.3(c)	1	
141	Inner Bail	**B30.5-1.3.1	1	
142	Outer Bail/Equalizer	**B30.5-1.3.1	1	
143	Sheaves	RS 19-2.15.4.3	1	
144	Boom Hoist Reeving	RS 19-2.19.3.8	1	
145	Other			
10j	Lattice Boom			
146	Boom Section Identification		2	
147	Boom Section Sequence		1	
148	Boom Section Alignment	RS 19-2.15.4.1	1	
149	Warning Decals	1926.550(a)(2)	2	
150	Spreader Bar		1	
151	Sheaves	RS 19-2.15.4.3	1	
152	Hoist Line Dead End	B30.5-1.7.3	1	
153	Wire Rope Retainer(s)	B30.5-1.7.4(b)	1	
154	Boom Foot Pins/Keepers	RS 19-2.15.4.4	1	
155	Boom Head Section	RS 19-2.15.4.1	1	
156	Auxiliary Boom Head	RS 19-2.15.4.1	1	
157	Lattice Member	RS 19-2.15.4.1	1	
158	Cord Members	RS 19-2.15.4.1	1	
159	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	
160	Other			
10k	Lattice Jib			
161	Positive Stops	1926.550(b)(1)	1	
162	Sheave(s)	RS 19-2.15.4.3	1	
163	Wire Rope Retainer(s)	**B30.5-1.7.4(b)	1	
164	Lattice Member	RS 19-2.15.4.1	1	
165	Cord Members	RS 19-2.15.4.1	1	
166	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	
167	Other			
10q	Telescopic Boom			
168	Lift Cylinder(s)	B30.5-2.1.3(o)	1	
169	Telescoping Cylinder(s)	B30.5-2.1.3(o)	1	

10 ANNUAL INSPECTION CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10q	Telescopic Boom Continued			
170	Hydraulic Hoses/Tubing Fittings	B30.5-2.1.3(l)	1	
171	Holding Devices	B30.5-2.1.3(n)	1	
172	Boom Section Alignment	RS 19-2.15.4.1	1	
173	Wear Pads	RS 19-2.15.4.5	1	
174	Equal Extension	RS 19-2.15.4	1	
175	Sheaves	RS 19-2.15.4.3	1	
176	Structure/Welds		1	
177	Boom Hinge Pin	RS 19-2.15.4.4	1	
178	Boom Head Section	RS 19-2.15.4.1	1	
179	Wire Rope Retainer	**B30.5-1.7.4(b)	1	
180	Other			
181	Other			
10r	Solid Jib Extension Manual Sections			
182	Alignment	RS 19-2.15.4.1	1	
183	Locking Devices	RS 19-2.15.4.4	1	
184	Structure/Welds		1	
185	Other			
10s	Wire Rope			
186	Boom Hoist			
186a	Size/Construction: _____inch	RS 19-2.18.2.3	1	
186b	Damage	RS 19-2.18.2	1	
186c	Lubrication	RS 19-2.18.3.5	1	
186d	Other			
187	Main Hoist			
187a	Size/Construction: _____inch	RS 19-2.18.2.3	1	
187b	Damage	RS 19-2.18.2	1	
187c	Lubrication	RS 19-2.18.3.5	1	
187d	Other			
188	Auxiliary Hoist/Whip Line			
188a	Size/Construction: _____inch	RS 19-2.18.2.3	1	
188b	Damage	RS 19-2.18.2	1	
188c	Lubrication	RS 19-2.18.3.5	1	
188d	Other			
189	Boom Pendants			
189a	Size/Construction: _____inch	RS 19-2.18.2.3	1	
189b	Damage	RS 19-2.18.2	1	
189c	Lubrication	RS 19-2.18.3.5	1	
189d	Other			
190	Jib Pendants			
190a	Size/Construction: _____inch	RS 19-2.18.2.3	1	
190b	Damage	RS 19-2.18.2	1	
190c	Lubrication	RS 19-2.18.3.5	1	
190d	Other			
10t	Hooks, Blocks & Balls			
191	Main Block & Hook			
191a	Weight & Capacity Label	B30.5-1.7.6	1	
191b	Sheaves	RS 19-2.15.4.3	1	
191c	Safety Latches	B30.5-1.7.6	1	
191d	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	
191e	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	
191f	Wedge Socket End Fitting	**B30.5-1.7.3.(c)	1	
191g	Non-Destructive Test Results	RS 19-2.15.4.9	1	
191h	Other			
192	Ball & Hook			
192a	Weight & Capacity Label	B30.5-1.7.6	1	
192b	Safety Latches	B30.5-1.7.6	1	
192c	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	
192d	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	
192e	Wedge Socket End Fitting	**B30.5-1.7.3.(c)	1	
192f	Non-Destructive Test Results	RS 19-2.15.4.9	1	
192g	Other			

11. Equipment Characteristics

Boom I.D. No.	Length	Jib I.D. No.	Length	Mast I.D. No.	Length
SEE UNASSEMBLED REPORT	180'	SEE UNASSEMBLED REPORT	130'	SEE UNASSEMBLED REPORT	100'
Total Length	180'	Total Length	130'	Total Length	100'
Cords: ○ Tubular Angular		Cords: ○ Tubular Angular		Cords: ○ Tubular Angular	
Lacings: ○ Tubular Angular		Lacings: ○ Tubular Angular		Lacings: ○ Tubular Angular	

Assembled Notes:

Unassembled Notes:

*Status: (S) Satisfactory (U) Deficiencies (IS) Parts hidden however functional (-) Not Applicable (SWO) Stop Work Order

References: OSHA 29CFR 1926.550 & 1910.180; **ASME B30.5 (1968); ASME B30.5 (2004); 2008 NYC Building Code & RS 19-2 (2006); RCNY

***Consult operator's manual for kick-out angle for boom

12. Summary (RS 19-2-100 Annual Renewal of Certificate of Operation. Renewal shall be accompanied by inspection and maintenance records in accordance with 15.1 and 15.1)

Item Numbers	Deficiencies	Date Corrected

13. Remarks

CHECKED COMPUTER to VERIFY it WAS CALIBRATED

CORRECTLY by lifting A CERTIFIED WEIGHT OF 16,000 + 15,500 block + Rigging FOR TOTAL WEIGHT OF 31,200 ✓ COMPUTER WAS calibrated.

Checked SAFETYS ANTI-TWO WORKING

MANITOWOC TECH PRESENT - LUFFER + MAIN BOOM CODES WORKING OK TO USE MACHINE with MAIN BOOM FALL

14. Inspector's & Supervising Inspector's Endorsement

Name	Signature of Inspector	Date
P. Daddario	P. Daddario	10/30/09
Name	Signature of Supervising Inspector	Date

NYC Buildings

MANHATTAN
Cranes & Derricks, 5th Floor
280 Broadway
New York, NY 10007
(212)-566-4696

LETTER OF DEFICIENCY

THE CITY OF NEW YORK
DEPARTMENT OF BUILDINGS

4164

Port Authority of New York and New Jersey
Attn: Chief Engineer
115 Broadway – 6th Floor
New York, New York 10006

You are hereby notified that there exists a violating condition in the subject premises as described below, and are ordered to remove this violation immediately. You must notify the Department of Buildings, Cranes & Derricks Division of the corrective action within 72 hours of this Letter of Deficiency. All inquiries and references to this Letter of Deficiency should be directed to the New York City Department of Buildings, Cranes & Derricks Division.

COMMISSIONER OF BUILDINGS

Location			Boro	Violation Number				
ONE WORLD TRADE CENTER			MN	Date	Type	Dist.	No.	Quad.
Construction: NEW CONSTRUCTION	No. of Stories	Block 58	Lot 1	10/7/09	SS	CW	01	4D
Occupied at Time of Inspection as: VACANT CONSTRUCTION SITE				Complaint No.			Docket No.	
Section(s) Violated		of the					/ /	

DESCRIPTION OF VIOLATION: A MANITOWOC 18,000 #CD 4164 WAS ASSEMBLED WITH FALL FROM MAIN BOOM AND 2 LINES FROM LUFFING BOOM. THIS CONFIGURATION IS NOT PROTOTYPE APPROVED FROM THE DOB (CRANES + DERRICKS UNIT). ALSO NO LOAD CHART OR COMPUTER LIMITS WILL FUNCTION WITH THIS CONFIGURATION

Reinspection Date | Priority

REMEDY/REQUIREMENTS: PROVIDE ENGINEERING AND DETAILED LETTER FROM MANITOWOC AND ENGINEER OF RECORD.

Filed By (Signature)	Print Name	Badge Number
Terry Daddario	TERRY DADDARIO	2405

AFFIDAVIT OF SERVICE BY MAIL – City and State of New York, County of _____) ss: The undersigned being duly sworn, deposes and says that I am an employee in the New York City Department of Buildings, I am over 18 yeast of age, and on _____, I served this Notice of Violation by depositing a copy thereof, enclosed in a post-paid wrapper, in an official depository under the exclusive care and custody of the U.S. Postal Service within New York City, addressed to the party indicated above and addressed to each of the following persons at the addresses set forth after each name:

1. _____

2. _____

Sworn to before me this_____

Day of _____, 20_____

X_____
NOTARY PUBLIC/COMMISSIONER OF DEEDS

X_____
Signature

_____
Print Full Name

THE PORT AUTHORITY OF NY & NJ

Engineering Department
Construction Management Division
115 Broadway 8th Fl.
New York City, NY, 10006
Phone: 212-435-5115
Fax: 212-435-5899

October 14, 2009

4164

City of New York
Department of Buildings
Cranes & Derricks Division
280 Broadway-5th Fl.
New York, New York 10007

Attn: Mr. Jason Ocharsky, P.E.

SUBJECT: THE WORLD TRADE CENTER-MANITOWOC 18000 CRANE, SERIAL # 1800-1054
Reference: -Letter of Deficiency, received 10.13.09

Dear Mr. Ocharsky:

This office hereby acknowledges the receipt of the above referenced letter (the "Letter") regarding the non-prototyped assembly of the subject crane at the WTC Site, and in accordance with Paragraph #14 of the Memorandum of Understanding executed on March 5, 2009 between the Port Authority of New York and New Jersey (the "Authority") and the New York City Department of Buildings (the "Department"), offers the following response.

As always, the Department's recommendations regarding the assembly of the Manitowoc 18000 at the WTC Site are greatly appreciated. In response, the Authority has removed the fall from the main boom completing the assembly in accordance with the manufacturer's recommendation, load charts and computer limits. A second inspection was held on 10.7.09. The crane was approved for use with an audit item requiring the anemometer installation by 10.14.09. The anemometer will be installed on 10.14.09 at 3:30PM. The Department will reinspect the on 10.15.09.

If you have any questions, or require any additional information regarding the above corrective measures, please email Ms. Maureen Lynch-Jacobs, Senior Engineer at mjacobs@panynj.gov.

Very Truly Yours,

James Starace, P.E.
Deputy Director-Construction
Engineering Department

Cc: F. Lombardi, T. O'Connor, S. Plate, A.Reiss, T. Stickelman, M. Lynch-Jacobs

BUILDINGS

Cranes and Derricks Division
ACCIDENT INVESTIGATION FORM

COMPLAINT NO:		Accident Occurance	C&D Notified	C&D Responded
	Date	2/3/11	2/3/11	2/3/11
	Time	8:15 AM	9:00 AM	9:45

Location: 1 N.T.C. Borough: MANH.

Specifics:

Accident Classification: [X] Crane [ ] Derrick [ ] Rigging [ ] Scaffold [ ] Workplatform [ ] Other: _____

Injuries	Last Name	First Name	Address	Sex	Age
Fatally Injured? y n					
Fatally Injured? y n	N/A				
Fatally Injured? y n					

Rigger			Address: Phone: License No.:
Hoist Machine operator	DUNN	DANIEL J.	Address: 25 S. Hillside #2 8-31-11 Phone: License No.: 5956-A
Foreman on-site	SWITZER	RICH.	Address: S.S.M. Phone: #1677 7-17-13 Fax No.:
Contractor	D C M		Address: Phone: Fax No.:

Probable Accident Cause: [X] Crane Hitting Structure [ ] Overloading [ ] Design / Setup Error [ ] Human Error [ ] Foundation Collapse [ ] Breakage/ Hardware Failure [ ] Two-Blocking [X] Wind / Weather Related [ ] Other: _____

Crane / Derrick / Work Platform

Manufacturer: FAVCO Model: 760

CN No.: N/A CD#: 3745

Current Tower Height: _____ ft, Platform Width: _____ ft, Boom Length: 180 ft, Jib Length _____ ft

Describe load Pick: STANDARD "I" BEAM Weight: 15 TON lbs, Radius of pick: 10' APPROX

Mats/Foundations used? [ ] yes [ ] no If yes, indicate material: _____, Dimension: _____, Condition: _____

Outrigger Position? [ ] Fully extended [ ] Partially or fully withdrawn TCAO-on-site? [X] yes [ ] no Approved load chart on site? [X] yes [ ] no

Approved CN/on-site? [ ] yes [X] no Machine set up according to plans? [X] yes [ ] no Is form CD-8 / TR1 on-site? [ ] yes [ ] no

Scaffold / Hoist / & Other Rigging

Was this job filed with the Cranes and Derricks division? [ ] yes [ ] no Machine set up according to plans? [ ] yes [ ] no Job No.: _____

Scaffold elevation: _____ ft. Rope type: [ ] Manilla [ ] Wire [ ] Nylon Size: _____, Condition: _____

[ ] [ ] [ ] [ ] [ ]

Scaffold anchor and Support: Parapet Clamp / C Hook Staging Outrigger Beam Tiebacks Safety belts

Counterweight: _____ lb, Counterweight makeup: _____ ; Outrigger beam size: _____ , Tie down: _____

Equipment / Material on Scaffold: _____

_____ Number of persons on scaffold: _____

ACCIDENT INVESTIGATION FORM (CONT'D)

Accident Description:

Describe work being performed: Pice coming down not going to be used (Pice approx 40' long)

Existing Unsafe field / operating conditions: None

Equipment Damage: None

Property Damage: None

Actions taken: Wind will be monitored more closely

Comments: Wind's were approx. 25 MPh at time of insp. wind 19-18 MPh. The load was taged, and stoped when gusts came

Witness Statement(s) (Include written statement by witness if available)

Name:	Title:		
Company Name:		Phone No.:	
Address:	City:	State:	Zip:
Name:	Title:		
Company Name:		Phone No.:	
Address:	City:	State:	Zip:

Other Agencies Present At Accident Site

Police: Name:	Title:	Precinct No.:	
Address:		Phone No.:	
OSHA: Name:	Title:		
Address:		Phone No.:	
Other: Name:	Title:	Agency:	
Address:		Phone No.:	

Cranes and Derricks Division Representative On-Site

1:	Title:
2:	Title:

Accident Investigated by:

Name:	Title:
Signature	Date

Supervisor

Name:	Title:
Signature	Date

WTC. 3390

NYC Dept. of Buildings Cranes & Derricks Division - 280 Broadway, Room 501, New York, NY 10007
Tel: (212) 566-4696 Fax: (212) 566-5871 E-mail: candd@buildings.nyc.gov

MOBILE ON-SITE AND ANNUAL INSPECTION CHECKLIST

1. Inspection Information

Date of Inspection: 07-08-09 Site Location: WTC GATE 1A Boro: MANH CN:

Inspector Name: CONSTANTINE DUFAS Badge No.: 2453

Type of Inspection: (Annual) Re-inspection On-Site Audit Patrol Sweep Chief Special SWO Lift# Complaint#

Inspection Results: No Deficiencies Issue CD Re-Inspect SWO Issued # Number of Violations Issued

2. Crane Data

Make: TADANO Model: TR 450 XL-4 Serial No.: 540354 Year: 2003

CD: 33390 Expiration Date: 9-25-09 Max Capacity: 45 TONS Picture Taken: Y (N)

Crane Types: (BT) Boom Truck (CC) Crawler Crane (D) Derrick (MC) Mobile Crane (MMC) Multi-Station Mobile Crane (MT) Mobile Truck Tower Crane (P) Pile Driver

3. Crane Owner Information

Crane Owner Name: BAY CRANE SERVICE Contact Name: Bernardo Telephone: 398-0810

4. User Information

Company Name: N/A Contact Name: Telephone:

5. Rigger Information

Last Name: First Name: N/A MI:

Licence No.: Expiration Date: N/A Type: Master Tower Special Master Hanger Special Hanger

6. Crane Safety Coordinator Information

Last Name: First Name: N/A MI:

Licence No.: Expiration Date: N/A On Site: Y N NA

7. Hoist Machine Operator Information

Last Name: NOESGES JR. First Name: Daniel MI: J

Licence No. 9522 Expiration Date: 11/30/11 Type: Class A Class B Class C1 Class C2 Class C3

8. General Contractor/Site Safety Manager Information

Company Name: N/A Contact Name: Telephone:

Licence No.: Expiration Date: N/A General Contractor Site Safety Manager

9. ON-SITE INSPECTION

Item No.	Inspected Item	Code Section	SWO #1	Status*
9a	Filing Application & Plan Data			
1	Approved Permits & Plans on site	BC3319.4 & .5	1	
2	Supporting Soil/Pad/Mat	RS 19-2,8.1.1 & 8.4	1	
3	Crane set-up conformity	RS 19-2.8.0	1	
4	CN - On-Site Sign-off (CD-4)	RS 19-2.8.1	1	
5	CD - Approved CD (CD-3)	BC3319.4 & .5	1	
9b	Historical Data			
6	Daily/Montly Inspection Records	**B30.5-2.1.5	2	
7	Signed & Dated	**B30.5-2.1.5	2	
9c	General			
8	Main Frame Member	RS 19-2.15.4.1	2	
9	see section 10b page 2	Items 5, 7, 8 & 10	2	
9d	Outriggers			
10	see section 10f page 2	items 48 thru 56	1	
9e	Crawler Assembly			
11	see section 10g page 2	items 57 thru 60	1	
9f	Operator's Cab & Station			
12	see section 10h page 2	Items 64, 72, 77, 79, 80, 82-84		
9g	Load Chart			

9. ON-SITE INSPECTION CONTINUED

Item No.	Inspected Item	Code Section	SWO #1	Status*
9h	Safety Devices/Operational Aids			
14	see section 10j page 2	Items 92-100, 102 & 103		
9i	Power Plant - Upper			
15	Excess Smoke	RS 19-2.15.4.7	2	
16	see section 10k page 2	Items 105, 106 & 108	2	
9j	Rotating Upper Superstructure			
17	Turntable	RS 19-2.15.4.4	1	
18	Pumps/Motors/Valves/Lines/Tubes	B30.5-2.1.3(l)(m)(n)	1	
19	Ring Gear/Pinion Gear/Rollers	RS 19-2.15.4.4	1	
20	Main Hoist and Rope	see sections 9f & 9i	1	
21	Auxiliary Hoist and Rope	see sections 9f & 9i	1	
22	Boom Hoist and Rope	see sections 9f & 9i	1	
23	Luffing Boom Hoist and Rope		1	
9k	Lattice Boom			
24	see section 10o page 3	Items 148, 152-154	1	
9l	Telescopic Boom			
25	see section 10q page 3	Items 168, 170-172	1	
9m	Wire Rope, Hook, Block & Ball			
26	see section 10s page 3			

10 ANNUAL INSPECTION				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10a	Historical Data			
1	Monthly Inspection Records	**B30.5-2.1.5	2	
2	Maintenance Records	RS 19-2.17.1.1	2	
3	Repair/Modification Records	RS 19-2.17.3.4	2	
4	Other			
10b	General			
5	Sheet Metal	**B30.5-1.2.1(a)	2	
6	Guards/Covers	1926.550(a)(8) & (10)	2	
7	Internal/External Lights	1926.601(2)(i) & (ii)	2	
8	Housekeeping	RS 19-2.26.0	2	
9	Safety/Warning Decals & Labels	1926.550(a)(2)	2	
10	Hand Signal Chart	1926.550(a)(4)	2	
11	Paint Condition/Corrosion Control	RS 19-2.15.4.1	2	
12	Other			
10c	Driver's Cab & Station			
13	Access - Grab Rails/Steps	1926.550(a)(13)(i) & (ii)	2	
14	Glass	1926.550(a)(12)	1	
15	Windshield Wiper(s)	1926.601(b)(2)(i) & (ii)	2	
16	Door(s) Restraint(s)	**B30.5-1.8.1.(c)	2	
17	Mirrors	1926.601(b)(4)	2	
18	Fire Extinguisher	RS 19-2.28.0	2	
19	Seat(s) Restraint(s)	1926.601(b)(8)	2	
20	Seat Belt(s)	1926.601(b)(9)	2	
21	Parking Brake	1926.601(b)(1)	2	
22	Air Pressure	RS 19-2.15.3.4	2	
23	Controls Identified	1926.550(a)(2)	2	
24	Instruments/Gauges	RS 19-2.15.4.6	2	
25	Electrical Switches/Functions	RS 19-2.15.3	2	
26	Horn	1926.601(b)(3)	2	
27	Ligths	1926.550(a)(1)	2	
28	Steering	RS 19-2.15.4.10	2	
29	Engine Clutch	**B30.5-1.6.4	2	
30	Accelerator	**B30.5-1.6.3(b)	2	
31	Brake	RS 19-2.15.4.10	2	
32	Other			
10d	Carrier Power Plant - Lower			
33	Performance	RS 19-2.15.4.7	2	
34	Exh System/Guards & Insulators	1926.550(a)(10)	2	
35	Belts/Hoses	RS 19-2.15.4	2	
36	Guard/Cover/Rotat & Recip Parts	1926.550(a)(8)	2	
37	Other			
10e	Carrier			
38	Transmission	RS 19-2.15.4	2	
39	Drive Line	RS 19-2.15.4	2	
40	Tire/Air Pressure/Wheels	RS 19-2.15.4.11	2	
41	Main Frame Members	RS 19-2.15.4.1	2	
42	Hydraulic Hoses/Tubing/Fitting	B30.5-2.1.3(l)	1	
43	Hydraulic Fluid Level	B30.5-2.1.3(h)	1	
44	Anti-Skid Surface	1926.550(a)(13)(iii)	2	
45	Front Bumper Counterweight	RS 19-2.15.4(2&4)	2	
46	Backup Alarm	1926.601(b)(4)(i)	2	
47	Other			
10f	Outriggers			
48	Boxes	RS 19-2.15.4.1	1	
49	Beams	RS 19-2.15.4.1	1	
50	Cylinders	RS 19-2.15.4	1	
51	Floats/Pads	**B30.5-1.9.3(d)	1	
52	Hydraulic Hoses/Tubes/Fittings	RS 19-2.15.3.4	1	
53	Holding Valves	**B30.5-1.9.3(b)	1	
54	Position Locks	RS 19-2.15.4.4	1	
55	Warning Signs	1926.550(a)(2)	1	

10 ANNUAL INSPECTION CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10g	Crawler Assembly			
57	Car Body/Side Frames	**B30.5-1.8	1	
58	Chain - Condition/Adjustment	RS 19-2.15.4.8	1	
59	Sprockets/Idlers/Rollers	RS 19-2.15.4	1	
60	Track Pads/Pins	RS 19-2.15.4	1	
61	Travel Locks	**B30.5-1.5.3(a)	1	
62	Steering Clutches	**B30.5-1.5.2(b)	1	
63	Other			
10h	Operator's Cab & Station			
64	Grab Rails/Steps/Platforms	1926.550(a)(13)(i & iii)	2	
65	Anti-Skid Surface	1926.550(a)(13)(iii)	2	
66	Glass	1926.550(a)(12)	1	
67	Windshield Wiper(s)	1926.601(2)(i) & (ii)	1	
68	Door Restraint	**B30.5-1.8.1.(c)	2	
69	Fire Extinguisher	RS 19-2.28.0	2	
70	Mirrors	1926.601(b)(4)	2	
71	Seat Restraint	1926.601(b)(8)	2	
72	Seat Belt/if required	1926.601(b)(9)	2	
73	Operator's Manual	1926.550(a)(1)	1	
74	Operating Instructions/Decals	1926.550(a)(2)	2	
75	Electrocution Warning Sign - Inside	1926.550(a)(2)	2	
76	Hand Signal Chart	1926.550(a)(4)	1	
77	Swing Brake/House Lock	**B30.5-1.4.2(a)/(b)	1	
78	Positive Swing Lock	**B30.5-1.4.2(b)	1	
79	Controls - Forces/Movements	**B30.5-1.6.2	1	
80	Air Pressure	RS 19-2.15.3.4	2	
81	Foot Brakes - Latches/Linkage	**B30.5-1.3.2(b)(2)	1	
82	Power Controlled Lowering	**B30.5-1.3.2(c)	1	
83	Engine Clutch	**B30.5-1.6.4	2	
84	Accelerator/Throttle Control	**B30.5-1.6.3(b)	2	
85	Other			
10i	Load Chart			
86	Per Configuration	1926.550(a)(1 & 2)	1	
87	Durable	**B30.5-1.1.3	1	
88	Legible	**B30.5-1.1.3	1	
89	Visible from Operator's Station	**B30.5-1.1.3	1	
90	Secured	**B30.5-1.1.3	2	
91	Other			
10j	Safety Devices/Operational Aids			
92	Warning Decals	1926.550(a)(2)	1	
93	Boom Angle Indicator	RS 19-2.19.1.3	1	
94	Main Drum Rotation Indicator	RS 19-2.19.3(e)	1	
95	Auxiliary Drum Rotation Indicator	RS 19-2.19.3(e)	1	
96	Load Moment Indicator	**B30.5-2.1.2(a)(3)	1	
97	Load Weight Indicator	RS 19-2.19.1	1	
98	Radius Indicator	RS 19-2.19.1.3	1	
99	Crane Level Indicator	RS 19-2.19.3(d)	1	
100	Anti-Two Block Device	RS 19-2.19.2	1	
101	Two-Block Warning Device	RS 19-2.19.2	1	
102	Boom Hoist Shutoff***	RS 19-2.19.3(c)	1	
103	Boom Hoist Ratchet and Pawl	**B30.5-1.3.1(c)	1	
104	Other			
10k	Power Plant - Upper			
105	Performance	RS 19-2.15.4.7	2	
106	Exh System Guards & Insulators	1926.550(a)(10)	2	
107	Belts/Hoses	B30.5-2.1.3	2	
108	Guard Cover/Rotat & Recip Parts	1926.550(a)(8)	2	
109	Other			
10l	Rotating Upper Superstructure			
110	Turntable/Bearing	RS 19-2.15.4.4	1	
111	Turntable - Rollers/Roller Path	RS 19-2.15.4.4	1	

10. ANNUAL INSPECTION - CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10m	Rotating Upper Superstructure - Continued			
113	Hydraulic Pump(s)	B30.5-2.1.3(m)	1	S
114	Hydraulic Pressure	B30.5-1.1.3(n)(6)	1	S
115	Electrical Wiring	RS 19-2.15.3.7	1	S
116	Main Hoist - Clutches/Brakes	**B30.5-1.3.2(a)(1)	1	S
117	Main Hoist - Wrapping On Drum	RS 19-2.15.3.6	1	S
118	Main Hoist - Min Rope Wraps	**B30.5-1.3.2(a)(2)a	1	S
119	Auxiliary Hoist - Clutches/Brakes	B30.5-1.3.2.1	1	
120	Auxiliary Hoist - Wrap On Drum	RS 19-2.15.3.6	1	
121	Auxiliary Hoist - Min Rope Wraps	**B30.5-1.3.2(a)(2)a	1	
122	Boom Hoist - Clutches/Brakes	**B30.5-1.3.1(a)	1	S
123	Boom Hoist - Wrapping On Drum	RS 19-2.15.3.6	1	S
124	Boom Hoist - Min Rope Wraps	**B30.5-1.3.1(d)(1)	1	S
125	Boom Hoist - Gears/Shafts/etc...	RS 19-2.15.4.4	1	S
126	Swing System/Assembly	**B30.5-1.4	1	S
127	Hydraulic Motor/Valve/Line/etc...	B30.5-2.1.3	1	S
128	Drums/Flanges	RS 19-2.15.4.3	1	S
129	Clutch/Brake Protection	**B30.5-1.9.7	1	S
130	Torque Converter	**B30.5-1.6.4	1	
131	Anti-Skid Surface	1926.550(a)(13)(iii)	2	S
132	Steps/Hand Holds/Platforms	B30.5-1.8.3(b)	1	S
133	Access to Cab and Roof	B30.5-1.8.4	1	S
134	Air System - Compressor/Line/etc...	RS 19-2.15.3.4	1	S
135	Counterweight Frame& Mounting	RS 19-2.15.4.(1 & 4)	1	S
136	Counterweight Warning Signs	1926.550(a)(2)	1	S
137	Electrocution Warning Sign Outside	1926.550(a)(2)	1	S
138	Other		1	
10n	Boom Support System			
139	Gantry/Mast	**B30.5-1.3.1	1	
140	Boom Stops	RS 19-2.19.3(c)	1	
141	Inner Bail	**B30.5-1.3.1	1	
142	Outer Bail/Equalizer	**B30.5-1.3.1	1	
143	Sheaves	RS 19-2.15.4.3	1	
144	Boom Hoist Reeving	RS 19-2.19.3.6	1	
145	Other			
10o	Lattice Boom			
146	Boom Section Identification		2	
147	Boom Section Sequence		1	
148	Boom Section Alignment	RS 19-2.15.4.1	1	
149	Warning Decals	1926.550(a)(2)	2	
150	Spreader Bar		1	
151	Sheaves	RS 19-2.15.4.3	1	
152	Hoist Line Dead End	B30.5-1.7.3	1	
153	Wire Rope Retainer(s)	B30.5-1.7.4(b)	1	
154	Boom Foot Pins/Keepers	RS 19-2.15.4.4	1	
155	Boom Head Section	RS 19-2.15.4.1	1	
156	Auxillary Boom Head	RS 19-2.15.4.1	1	
157	Lattice Member	RS 19-2.15.4.1	1	
158	Cord Members	RS 19-2.15.4.1	1	
159	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	
160	Other			
10p	Lattice Jib			
161	Positive Stops	1926.550(b)(1)	1	S
162	Sheave(s)	RS 19-2.15.4.3	1	S
163	Wire Rope Retainer(s)	**B30.5-1.7.4(b)	1	S
164	Lattice Member	RS 19-2.15.4.1	1	S
165	Cord Members	RS 19-2.15.4.1	1	S
166	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	S
167	Other			
10q	Telescopic Boom			
168	Lift Cylinder(s)	B30.5-2.1.3(o)	1	S

10. ANNUAL INSPECTION - CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10q	Telescopic Boom - Continued			
170	Hydraulic Hoses/Tubing Fittings	B30.5-2.1.3(l)	1	S
171	Holding Devices	B30.5-2.1.3(n)	1	S
172	Boom Section Alignment	RS 19-2.15.4.1	1	S
173	Wear Pads	RS 19-2.15.4.5	1	S
174	Equal Extension	RS 19-2.15.4	1	S
175	Sheaves	RS 19-2.15.4.3	1	S
176	Structure/Welds		1	S
177	Boom Hinge Pin	RS 19-2.15.4.4	1	S
178	Boom Head Section	RS 19-2.15.4.1	1	S
179	Wire Rope Retainer	**B30.5-1.7.4(b)	1	S
180	Other			
181	Other			
10r	Solid Jib Extension Manual Sections			
182	Alignment	RS 19-2.15.4.1	1	
183	Locking Devices	RS 19-2.15.4.4	1	
184	Structure/Welds		1	
185	Other			
10s	Wire Rope			
186	Boom Hoist			
186a	Size/Construction: ____ inch	RS 19-2.18.2.3	1	S
186b	Damage	RS 19-2.18.2	1	S
186c	Lubrication	RS 19-2.18.3.5	1	S
186d	Other			
187	Main Hoist			
187a	Size/Construction: ____ inch	RS 19-2.18.2.3	1	S
187b	Damage	RS 19-2.18.2	1	S
187c	Lubrication	RS 19-2.18.3.5	1	S
187d	Other			
188	Auxillary Hoist/Whip Line			
188a	Size/Construction: ____ inch	RS 19-2.18.2.3	1	S
188b	Damage	RS 19-2.18.2	1	S
188c	Lubrication	RS 19-2.18.3.5	1	S
188d	Other			
189	Boom Pendants			
189a	Size/Construction: ____ inch	RS 19-2.18.2.3	1	
189b	Damage	RS 19-2.18.2	1	
189c	Lubrication	RS 19-2.18.3.5	1	
189d	Other			
190	Jib Pendants			
190a	Size/Construction: ____ inch	RS 19-2.18.2.3	1	
190b	Damage	RS 19-2.18.2	1	
190c	Lubrication	RS 19-2.18.3.5	1	
190d	Other			
10t	Hooks, Blocks & Balls			
191	Main Block & Hook			
191a	Weight & Capacity Label	B30.5-1.7.6	1	S
191b	Sheaves	RS 19-2.15.4.3	1	S
191c	Safety Latches	B30.5-1.7.6	1	S
191d	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	S
191e	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	S
191f	Wedge Socket End Fitting	**B30.5-1.7.3.(c)	1	S
191g	Non-Destructive Test Results	RS 19-2.15.4.9	1	S
191h	Other			
192	Ball & Hook			
192a	Weight & Capacity Label	B30.5-1.7.6	1	
192b	Safety Latches	B30.5-1.7.6	1	
192c	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	
192d	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	
192e	Wedge Socket End Fitting	**B30.5-1.7.3.(c)	1	
192f	Non-Destructive Test Results	RS 19-2.15.4.9	1	

11. Equipment Characteristics

Boom I.D. No.	Length	Jib I.D. No.	Length	Mast I.D. No.	Length
4 sec. Tele Boom Solid	108'-3"	J1	28'-9"		
		J2	21'-3"		
	108'-3"		50		
Total Length		Total Length		Total Length	

Cords:	Tubular	Angular	Cords:	Tubular	Angular	Cords:	Tubular	Angular
Lacings:	Tubular	Angular	Lacings:	Tubular	Angular	Lacings:	Tubular	Angular

Assembled Notes:

Unassembled Notes:

*Status: (S) Satisfactory (U) Deficiencies (IS) Parts hidden however functional (-) Not Applicable (SWO) Stop Work Order

References: OSHA 29CFR 1926.550 & 1910.180; **ASME B30.5 (1968); ASME B30.5 (2004); 2008 NYC Building Code & RS 19-2 (2006); RCNY

***Consult operator's manual for kick-out angle for boom

12. Summary (RS 19-2.10.0 Annual Renewal of Certificate of Operation - renewal shall be accompanied by inspection and maintenance records in accordance with 15.1 and 18.1)

Item Numbers	Deficiencies	Date Corrected

13. Remarks

No Deficiencies found at time of inspection 09-08-09

14. Inspector's & Supervising Inspector's Endorsement

Name	Signature of Inspector	Date
[illegible]	[signature]	09-08-09
Name	Signature of Supervising Inspector	Date

1WTC 3566

NYC Buildings

NYC Dept. of Buildings Cranes & Derricks Division - 280 Broadway, Room 501, New York, NY 10007
Tel: (212) 566-4696 Fax: (212) 566-5871 E-mail: candd@buildings.nyc.gov

MOBILE ON-SITE AND ANNUAL INSPECTION CHECKLIST

1. Inspection Information

Date of Inspection: 5/2/12 Site Location: WTC Boro: MANH CN:

Inspector Name: P. McGangle Badge No.: 2248

Type of Inspection: Annual Re-inspection On-Site Audit Patrol Sweep Chief Special SWO Lift# Complaint#

Inspection Results: No Deficiencies Issue CD Re-inspect SWO Issued # Number of Violations Issued

2. Crane Data

Make: TADANO Model: TR 450XL-4 Serial No.: 540386 Year: 2605

CD: 3566 Expiration Date: 5/6/12 Max Capacity: 45 Ton Picture Taken: Y N

Crane Types: (BT) Boom Truck (CC) Crawler Crane (D) Derrick (MC) Mobile Crane (MMC) Multi-Station Mobile Crane (MT) Mobile Truck Tower Crane (P) Pile Driver

3. Crane Owner Information

Crane Owner Name: Day Crane Contact Name: Telephone:

4. User Information

Company Name: Same Contact Name: Telephone:

5. Rigger Information

Last Name: N/A First Name: MI:

Licence No.: Expiration Date: Type: Master Tower Special Master Hanger Special Hanger

6. Crane Safety Coordinator Information

Last Name: First Name: N/A MI:

Licence No.: Expiration Date: On Site: Y N NA

7. Hoist Machine Operator Information

Last Name: LAONE First Name: PAUL MI:

Licence No.: 5994 Expiration Date: 8/31/12 Type: Class A Class B Class C1 Class C2 Class C3

8. General Contractor/Site Safety Manager Information

Company Name: N/A Contact Name: Telephone:

Licence No.: Expiration Date: General Contractor Site Safety Manager

9. ON-SITE INSPECTION

Item No.	Inspected Item	Code Section	SWO #1	Status*
9a	Filing Application & Plan Data			
1	Approved Permits & Plans on site	BC3319.4 & .5	1	
2	Supporting Soil/Pad/Mat	RS 19-2.8.1.1 & 8.4	1	
3	Crane set-up conformity	RS 19-2.8.0	1	
4	CN - On-Site Sign-off (CD-4)	RS 19-2.8.1	1	
5	CD - Approved CD (CD-2)	BC3319.4 & .5	1	
9b	Historical Data			
6	Daily/Montly Inspection Records	**B30.5-2.1.5	2	
7	Signed & Dated	**B30.5-2.1.5	2	
9c	General			
8	Main Frame Member	RS 19-2.15.4.1	2	
9	see section 10b page 2	items 5, 7, 8 & 10	2	
9d	Outriggers			
10	see section 10f page 2	items 48 thru 56	1	
9e	Crawler Assembly			
11	see section 10g page 2	items 57 thru 60	1	
9f	Operator's Cab & Station			
12	see section 10h page 2	items 64, 72, 77, 79, 80, 82-84		
9g	Load Chart			
13	see section 10i psge 2	items 86 & 88	1	

9. ON-SITE INSPECTION - CONTINUED

Item No.	Inspected Item	Code Section	SWO #1	Status*
9h	Safety Devices/Operational Aids			
14	see section 10j page 2	items 92-100, 102 & 103		
9i	Power Plant - Upper			
15	Excess Smoke	RS 19-2.15.4.7	2	
16	see section 10k page 2	items 105, 106 & 108	2	
9j	Rotating Upper Superstructure			
17	Turntable	RS 19-2.15.4.4	1	
18	Pumps/Motors/Valves/Lines/Tubes	B30.5-2.1.3(l)(m)(n)	1	
19	Ring Gear/Pinion Gear/Rollers	RS 19-2.15.4.4	1	
20	Main Hoist and Rope	see sections 9f & 9l	1	
21	Auxiliary Hoist and Rope	see sections 9f & 9l	1	
22	Boom Hoist and Rope	see sections 9f & 9l	1	
23	Luffing Boom Hoist and Rope		1	
9k	Lattice Boom			
24	see section 10o page 3	items 148, 152-154	1	
9l	Telescopic Boom			
25	see section 10q page 3	items 168, 170-172	1	
9m	Wire Rope, Hook, Block & Ball			
26	see section 10s page 3	items 186-190	1	
27	see section 10t page 3	items 191/192e-c & f	1	

10 ANNUAL INSPECTION				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10a	Historical Data			
1	Monthly Inspection Records	**B30.5-2.1.5	2	S
2	Maintenance Records	RS 19-2.17.1.1	2	S
3	Repair/Modification Records	RS 19-2.17.3.4	2	S
4	Other			
10b	General			
5	Sheet Metal	**B30.5-1.2.1(a)	2	S
6	Guards/Covers	1926.550(a)(8) & (10)	2	S
7	Internal/External Lights	1926.601(2)(I) & (II)	2	S
8	Housekeeping	RS 19-2.28.0	2	S
9	Safety/Warning Decals & Labels	1926.550(a)(2)	2	S
10	Hand Signal Chart	1926.550(a)(4)	2	S
11	Paint Condition/Corrosion Control	RS 19-2.15.4.1	2	S
12	Other			
10c	Driver's Cab / Station			
13	Access - Grab Rails/Steps	1926.550(a)(13)(I) & (II)	2	S
14	Glass	1926.550(a)(12)	1	S
15	Windshield Wiper(s)	1926.601(b)(2)(I) & (ii)	2	S
16	Door(s) Restraint(s)	**B30.5-1.8.1.(c)	2	S
17	Mirrors	1926.601(b)(4)	2	S
18	Fire Extinguisher	RS 19-2.28.0	2	S
19	Seat(s) Restraint(s)	1926.601(b)(8)	2	S
20	Seat Belt(s)	1926.601(b)(9)	2	S
21	Parking Brake	1926.601(b)(1)	2	S
22	Air Pressure	RS 19-2.15.3.4	2	S
23	Controls Identified	1926.550(a)(2)	2	S
24	Instruments/Gauges	RS 19-2.15.4.6	2	S
25	Electrical Switches/Functions	RS 19-2.15.3	2	S
26	Horn	1926.601(b)(3)	2	S
27	Ligths	1926.550(a)(1)	2	S
28	Steering	RS 19-2.15.4.10	2	S
29	Engine Clutch	**B30.5-1.6.4	2	S
30	Accelerator	**B30.5-1.6.3(b)	2	S
31	Brake	RS 19-2.15.4.10	2	S
32	Other			
10d	Carrier Power Plant - Lower			
33	Performance	RS 19-2.15.4.7	2	S
34	Exh System/Guards & Insulators	1926.550(a)(10)	2	S
35	Belts/Hoses	RS 19-2.15.4	2	S
36	Guard/Cover/Rotat & Recip Parts	1926.550(a)(8)	2	S
37	Other			
10e	Carrier			
38	Transmission	RS 19-2.15.4	2	NS
39	Drive Line	RS 19-2.15.4	2	NS
40	Tire/Air Pressure/Wheels	RS 19-2.15.4.11	2	NS
41	Main Frame Members	RS 19-2.15.4.1	2	S
42	Hydraulic Hoses/Tubing/Fitting	B30.5-2.1.3(I)	1	S
43	Hydraulic Fluid Level	B30.5-2.1.3(h)	1	S
44	Anti-Skid Surface	1926.550(a)(13)(III)	2	S
45	Front Bumper Counterweight	RS 19-2.15.4(2&4)	2	—
46	Backup Alarm	1926.601(b)(4)(I)	2	S
47	Other			
10f	Outriggers			
48	Boxes	RS 19-2.15.4.1	1	S
49	Beams	RS 19-2.15.4.1	1	S
50	Cylinders	RS 19-2.15.4	1	S
51	Floats/Pads	**B30.5-1.9.3(d)	1	S
52	Hydraulic Hoses/Tubes/Fittings	RS 19-2.15.3.4	1	S
53	Holding Valves	**B30.5-1.9.3(b)	1	S
54	Position Locks	RS 19-2.15.4.4	1	S
55	Warning Signs	1926.550(a)(2)	1	S
56	Blocking/Cribbing		1	S

10 ANNUAL INSPECTION CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10g	Crawler Assembly			
57	Car Body/Side Frames	**B30.5-1.8	1	
58	Chain - Condition/Adjustment	RS 19-2.15.4.8	1	
59	Sprockets/Idlers/Rollers	RS 19-2.15.4	1	
60	Track Pads/Pins	RS 19-2.15.4	1	
61	Travel Locks	**B30.5-1.5.3(a)	1	
62	Steering Clutches	**B30.5-1.5.2(b)	1	
63	Other			
10i	Operator's Cab & Station			
64	Grab Rails/Steps/Platforms	1926.550(a)(13)(I & III)	2	S
65	Anti-Skid Surface	1926.550(a)(13)(iii)	2	S
66	Glass	1926.550(a)(12)	1	S
67	Windshield Wiper(s)	1926.601(2)(I) & (II)	1	S
68	Door Restraint	**B30.5-1.8.1.(c)	2	S
69	Fire Extinguisher	RS 19-2.28.0	2	S
70	Mirrors	1926.601(b)(4)	2	S
71	Seat Restraint	1926.601(b)(8)	2	S
72	Seat Belt/if required	1926.601(b)(9)	2	S
73	Operator's Manual	1926.550(a)(1)	1	S
74	Operating Instructions/Decals	1926.550(a)(2)	2	S
75	Electrocution Warning Sign - Inside	1926.550(a)(2)	2	S
76	Hand Signal Chart	1926.550(a)(4)	1	S
77	Swing Brake/House Lock	**B30.5-1.4.2(a)/(b)	1	S
78	Positive Swing Lock	**B30.5-1.4.2(b)	1	S
79	Controls - Forces/Movements	**B30.5-1.6.2	1	S
80	Air Pressure	RS 19-2.15.3.4	2	S
81	Foot Brakes - Latches/Linkage	**B30.5-1.3.2(b)(2)	1	S
82	Power Controlled Lowering	**B30.5-1.3.2(c)	1	S
83	Engine Clutch	**B30.5-1.6.4	2	S
84	Accelerator/Throttle Control	**B30.5-1.6.3(b)	2	S
85	Other			
10j	Load Chart			
86	Per Configuration	1926.550(a)(1 & 2)	1	S
87	Durable	**B30.5-1.1.3	1	S
88	Legible	**B30.5-1.1.3	1	S
89	Visible from Operator's Station	**B30.5-1.1.3	1	S
90	Secured	**B30.5-1.1.3	2	S
91	Other			
10l	Safety Devices/Operational Aids			
92	Warning Decals	1926.550(a)(2)	1	S
93	Boom Angle Indicator	RS 19-2.19.1.3	1	S
94	Main Drum Rotation Indicator	RS 19-2.19.3(e)	1	S
95	Auxiliary Drum Rotation Indicator	RS 19-2.19.3(e)	1	S
96	Load Moment Indicator	**B30.5-2.1.2(a)(3)	1	S
97	Load Weight Indicator	RS 19-2.19.1	1	S
98	Radius Indicator	RS 19-2.19.1.3	1	S
99	Crane Level Indicator	RS 19-2.19.3(d)	1	S
100	Anti-Two Block Device	RS 19-2.19.2	1	S
101	Two-Block Warning Device	RS 19-2.19.2	1	S
102	Boom Hoist Shutoff***	RS 19-2.19.3(c)	1	S
103	Boom Hoist Ratchet and Pawl	**B30.5-1.3.1(c)	1	—
104	Other			
10k	Power Plant - Upper			
105	Performance	RS 19-2.15.4.7	2	S
106	Exh System Guards & Insulators	1926.550(a)(10)	2	S
107	Belts/Hoses	B30.5-2.1.3	2	S
108	Guard Cover/Rotat & Recip Parts	1926.550(a)(8)	2	S
109	Other			—
10l	Rotating Upper Superstructure			
110	Turntable/Bearing	RS 19-2.15.4.4	1	NS
111	Turntable - Rollers/Roller Path	RS 19-2.15.4.4	1	—
112	Ring Gear/Pinion Gear	RS 19-2.15.4.4	1	NS

10 ANNUAL INSPECTION - CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10m	Rotating Upper Superstructure - Continued			
113	Hydraulic Pump(s)	B30.5-2.1.3(m)	1	S
114	Hydraulic Pressure	B30.5-1.1.3(n)(6)	1	S
115	Electrical Wiring	RS 19-2.15.3.7	1	S
116	Main Hoist - Clutches/Brakes	**B30.5-1.3.2(a)(1)	1	S
117	Main Hoist - Wrapping On Drum	RS 19-2.15.3.6	1	S
118	Main Hoist - Min Rope Wraps	**B30.5-1.3.2(a)(2)a	1	S
119	Auxiliary Hoist - Clutches/Brakes	B30.5-1.3.2.1	1	S
120	Auxiliary Hoist - Wrap On Drum	RS 19-2.15.3.6	1	S
121	Auxiliary Hoist - Min Rope Wraps	**B30.5-1.3.2(a)(2)a	1	S
122	Boom Hoist - Clutches/Brakes	**B30.5-1.3.1(a)	1	N/A
123	Boom Hoist - Wrapping On Drum	RS 19-2.15.3.6	1	N/A
124	Boom Hoist - Min Rope Wraps	**B30.5-1.3.1(d)(1)	1	N/A
125	Boom Hoist - Gears/Shafts/etc...	RS 19-2.15.4.4	1	N/A
126	Swing System/Assembly	**B30.5-1.4	1	S
127	Hydraulic Motor/Valve/Line/etc...	B30.5-2.1.3	1	S
128	Drums/Flanges	RS 19-2.15.4.3	1	S
129	Clutch/Brake Protection	**B30.5-1.9.7	1	S
130	Torque Converter	**B30.5-1.6.4	1	N/A
131	Anti-Skid Surface	1926.550(a)(13)(iii)	2	S
132	Steps/Hand Holds/Platforms	B30.5-1.8.3(b)	1	S
133	Access to Cab and Roof	B30.5-1.8.4	1	S
134	Air System - Compressor/Line/etc...	RS 19-2.15.3.4	1	S
135	Counterweight Frame& Mounting	RS 19-2.15.4.(1 & 4)	1	S
136	Counterweight Warning Signs	1926.550(a)(2)	1	S
137	Electrocution Warning Sign Outside	1926.550(a)(2)	1	S
138	Other		1	—
10n	Boom Support System			
139	Gantry/Mast	**B30.5-1.3.1	1	
140	Boom Stops	RS 19-2.19.3(c)	1	
141	Inner Bail	**B30.5-1.3.1	1	
142	Outer Bail/Equalizer	**B30.5-1.3.1	1	
143	Sheaves	RS 19-2.15.4.3	1	
144	Boom Hoist Reeving	RS 19-2.19.3.6	1	
145	Other			
10o	Lattice Boom			
146	Boom Section Identification		2	
147	Boom Section Sequence		1	
148	Boom Section Alignment	RS 19-2.15.4.1	1	
149	Warning Decals	1926.550(a)(2)	2	
150	Spreader Bar		1	
151	Sheaves	RS 19-2.15.4.3	1	
152	Hoist Line Dead End	B30.5-1.7.3	1	
153	Wire Rope Retainer(s)	B30.5-1.7.4(b)	1	
154	Boom Foot Pins/Keepers	RS 19-2.15.4.4	1	
155	Boom Head Section	RS 19-2.15.4.1	1	
156	Auxiliary Boom Head	RS 19-2.15.4.1	1	
157	Lattice Member	RS 19-2.15.4.1	1	
158	Cord Members	RS 19-2.15.4.1	1	
159	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	
160	Other			
10p	Lattice Jib			
161	Positive Stops	1926.550(b)(1)	1	S
162	Sheave(s)	RS 19-2.15.4.3	1	S
163	Wire Rope Retainer(s)	**B30.5-1.7.4(b)	1	S
164	Lattice Member	RS 19-2.15.4.1	1	S
165	Cord Members	RS 19-2.15.4.1	1	S
166	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	S
167	Other			—
10q	Telescopic Boom			
168	Lift Cylinder(s)	B30.5-2.1.3(o)	1	S
169	Telescoping Cylinder(s)	B30.5-2.1.3(o)	1	S

10 ANNUAL INSPECTION - CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10q	Telescopic Boom - Continued			
170	Hydraulic Hoses/Tubing Fittings	B30.5-2.1.3(l)	1	S
171	Holding Devices	B30.5-2.1.3(n)	1	S
172	Boom Section Alignment	RS 19-2.15.4.1	1	S
173	Wear Pads	RS 19-2.15.4.5	1	S
174	Equal Extension	RS 19-2.15.4	1	S
175	Sheaves	RS 19-2.15.4.3	1	S
176	Structure/Welds		1	S
177	Boom Hinge Pin	RS 19-2.15.4.4	1	S
178	Boom Head Section	RS 19-2.15.4.1	1	S
179	Wire Rope Retainer	**B30.5-1.7.4(b)	1	S
180	Other			
181	Other			
10r	Solid Jib Extension Manual Sections			
182	Alignment	RS 19-2.15.4.1	1	
183	Locking Devices	RS 19-2.15.4.4	1	
184	Structure/Welds		1	
185	Other			
10s	Wire Rope			
186	Boom Hoist			
186a	Size/Construction: _____ inch	RS 19-2.18.2.3	1	N/A
186b	Damage	RS 19-2.18.2	1	N/A
186c	Lubrication	RS 19-2.18.3.5	1	N/A
186d	Other			
187	Main Hoist			
187a	Size/Construction: 2 1/4 inch	RS 19-2.18.2.3	1	S
187b	Damage	RS 19-2.18.2	1	S
187c	Lubrication	RS 19-2.18.3.5	1	S
187d	Other			
188	Auxiliary Hoist/Whip Line			
188a	Size/Construction: 3/4 inch	RS 19-2.18.2.3	1	S
188b	Damage	RS 19-2.18.2	1	S
188c	Lubrication	RS 19-2.18.3.5	1	S
188d	Other	N/A		
189	Boom Pendants			
189a	Size/Construction: _____ inch	RS 19-2.18.2.3	1	
189b	Damage	RS 19-2.18.2	1	
189c	Lubrication	RS 19-2.18.3.5	1	
189d	Other			
190	Jib Pendants			
190a	Size/Construction: _____ inch	RS 19-2.18.2.3	1	
190b	Damage	RS 19-2.18.2	1	
190c	Lubrication	RS 19-2.18.3.5	1	
190d	Other			
10t	Hooks, Blocks & Balls			
191	Main Block & Hook			
191a	Weight & Capacity Label	B30.5-1.7.6	1	S
191b	Sheaves	RS 19-2.15.4.3	1	S
191c	Safety Latches	B30.5-1.7.6	1	S
191d	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	S
191e	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	S
191f	Wedge Socket End Fitting	**B30.5-1.7.3.(c)	1	S
191g	Non-Destructive Test Results	RS 19-2.15.4.9	1	—
191h	Other			
192	Ball & Hook			
192a	Weight & Capacity Label	B30.5-1.7.6	1	
192b	Safety Latches	B30.5-1.7.6	1	
192c	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	
192d	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	
192e	Wedge Socket End Fitting	**B30.5-1.7.3.(c)	1	
192f	Non-Destructive Test Results	RS 19-2.15.4.9	1	
192g	Other			

11. Equipment Characteristics

Boom I.D. No.	Length	Jib I.D. No.	Length	Mast I.D. No.	Length
		3566 J1	28'9		
		3566 J2	21'3		
4 Hyd	108.3				
Sect.					
Total Length	108.3	Total Length	50 Ft.	Total Length	
Cords: Tubular Angular		Cords: Tubular Angular		Cords: Tubular Angular	
Lacings: Tubular Angular		Lacings: Tubular Angular		Lacings: Tubular Angular	

Assembled Notes:

Unassembled Notes:

*Status: (S) Satisfactory (U) Deficiencies (IS) Parts hidden however functional (-) Not Applicable (SWO) Stop Work Order

References: OSHA 29CFR 1926.550 & 1910.180; **ASME B30.5 (1968); ASME B30.5 (2004); 2008 NYC Building Code & RS 19-2 (2006); RCNY

***Consult operator's manual for kick-out angle for boom

12. Summary (RS 19-2.10.0 Annual Renewal of Certificate of Operation. Renewal shall be accompanied by inspection and maintenance records in accordance with 15.1 and 18.1)

Item Numbers	Deficiencies	Date Corrected

13. Remarks

No Defects found @ Time of Inspect

14. Inspector's & Supervising Inspector's Endorsement

Name	Signature of Inspector	Date
P. McGarrigle	[signature]	5-2-12
Name	Signature of Supervising Inspector	Date

3742

NYC Buildings

NYC Dept. of Buildings **Cranes & Derricks Division** - 280 Broadway, Room 501, New York, NY 10007
Tel: (212) 566-4696 Fax: (212) 566-5871 E-mail: candd@buildings.nyc.gov

Passed or Failed
PASSED

Tower Crane Inspection Checklist

Original	Copy
+	

1. Inspection Information

Date of Inspection: 12/3/10 Site Location: World Trade Center Boro: Manhattan

CN Number: Port Authority CN Expiration Date: — Phase: — Current Height: —

Inspector Name: Joseph Hiller Badge No.: 2277

Type of Inspection: Erection Assembled Load Test Unassembled Jump-Up Jack-Down Dismantle

(CD-Extension) Re-inspection Audit Patrol Sweep Chief Special SWO Lift# Complaint#

Inspection Results: (No Deficiencies) Okay to Issue CD Re-inspect: _____

Was SWO Issued: _____ SWO # if issued: _____ Number of Violations Issued*: _____

* list all violations in remark section

2. Crane Data

Make: Favelle Favco Model: M 760 B Serial No.: 1167 Year: 2006

CD: 3942 Expiration Date: 12-11-10 Max Capacity: 70 TON Boom/Jib Length: 185'

Type: (Luffing Boom) Hammer-Head Power Plant: Electric (Diesel) Climber Type: (Internal) External

3. Crane Owner Information

Crane Owner Name: Federated Equipment Co. LLC Contact Name: Harry Davis Telephone: 212-599-1603

Address: 110 East 42 Street - Suite 1704 City: New York State: N.Y. Zip: 10017

4. User Information

Company Name: Contact Name: Telephone:

Address: City: State: Zip:

5. Rigger Information

Last Name: First Name: MI:

Licence No: Expiration Date: Type: Master Tower Special Master Hanger Special Hanger

6. Crane Safety Corrdinator Information

Last Name: First Name: MI:

Licence No: Expiration Date: On Site: Y N

7. Hoist Machine Operator Information

Last Name: Ga one First Name: Paul MI: F

Licence No: 5994 Expiration Date: 8-31-12 Type: Class A (Class B) Class C1 Class C2 Class C3

8. General Contractor/Site Safety Manager Information

Company Name: Contact Name: Telephone:

Address: City: State: Zip:

Licence No: Expiration Date: General Contractor Site Safety Manager

9. ON-SITE DOCUMENTATION INSPECTION

Item No.	Inspected Item	Code Section	SWO #1	Status*
9a	Filing Application & Plan Data			
1	Approved Plans on site	BC3319.4 & .5	1	S
2	Crane set-up conformity	RS 19-2.8.0	1	S
9b	Jump Logs			
3	Jump Logs	BC3319 6	1	—

9. ON-SITE DOCUMENTATION INSPECTION - continued

Item No.	Inspected Item	Code Section	SWO #1	Status*
9c	General			
4	CN - On-Site Sign-off (CD-4)	RS 19-2.8.0 & BC3319.6	2	—
5	CD - Approved CD (CD-2)	BC3319.4 & .5	2	S
6	Plumb & Torque Report (CD-6)	BC3319.8.2	2	—
7	Notice Raising/Lowering (CD-7)	RCNY 6-01(i)	1	—

10. ON SITE INSEPCTION				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10a	Pre-Erection Site Data			
1	Foundation Plans #_____		1	
2	Tower Crane Foundation Pad		1	
3	Anchors		1	
4	Template		2	
5	Housekeeping		2	
6	Tower Base Perimeter Protection		2	
7	Other			
10b	Guys, Ties & Supports			
8	Slab Tie-in Reinforcing: ___floor		1	
9	Tie-in Slab: _____floor		1	
10	Collars: _____floor		1	
11	Wedges: _____floor		1	
12	Tie-ins: _____floor		1	
13	Tie-in Bolts: _____floor		1	
14	Guys: _____		1	
15	Collar/Tie Allachments: ___none ___wire rope ___chains		1	
10c	Historical Data			
16	Montly Inspection Records		2	
17	Maintenance Records		2	
18	Repair/Modification Records		2	
19	Other			
10d	General			
20	Sheet Metal		2	
21	Guards/Covers		2	
22	Internal/External Lights		2	
23	Housekeeping		2	
24	Safety/Warning Decals & Labels		2	
25	Hand Signal Chart		2	
26	Paint Condition/Corrosion Control		2	
27	Other			
10e	Operator's Cab & Station			
28	Housekeeping		2	
29	Grab Rails/Steps/Platforms		2	
30	Anti-Skid Surface		2	
31	Glass		1	
32	Windshield Wiper(s)		1	
33	Door Restraint		2	
34	Fire Extinguisher		2	
35	Mirrors		2	
36	Seat Restraint		2	
37	Seat Belt/if required		2	
38	Operator's Manual		1	
39	Operating Instructions/Decals		2	
40	Electrocution Warning Sign - Inside		2	
41	Hand Signal Chart		1	
42	Swing Brake/House Lock		1	
43	Positive Swing Lock		1	
44	Controls - Forces/Movements		1	
45	Air Pressure		2	
46	Foot Brakes - Latches/Linkage		1	
47	Power Controlled Lowering		1	
48	Engine Clutch		2	
49	Accelerator/Throttle Control		2	
50	Other			
10f	Load Chart			
51	Per Configuration		1	
52	Durable		1	
53	Legible		1	
54	Visible from Operator's Station		1	
55	Secured		2	
56	Other			

10. ON SITE INSPECTION - CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10g	Power Plant - Upper			
57	Performance		2	
58	Exh System Guards & Insulators		2	
58	Belts/Hoses		2	
60	Guard Cover/Rotat & Recip Parts		2	
61	Other			
10h	Rotating Upper Superstructure			
62	Turntable/Bearing		1	
63	Turntable - Rollers/Roller Path		1	
64	Ring Gear/Pinion Gear		1	
65	Hydraulic Pump(s)		1	
66	Hydraulic Pressure		1	
67	Electrical Wiring		1	
68	Main Hoist - Clutches/Brakes		1	
69	Main Hoist - Wrapping On Drum		1	
70	Main Hoist - Min Rope Wraps		1	
71	Auxiliary Hoist - Clutches/Brakes		1	
72	Auxiliary Hoist - Wrap On Drum		1	
73	Auxiliary Hoist - Min Rope Wraps		1	
74	Boom Hoist - Clutches/Brakes		1	
75	Boom Hoist - Wrapping On Drum		1	
76	Boom Hoist - Min Rope Wraps		1	
77	Boom Hoist - Gears/Shafts/etc...		1	
78	Swing System/Assembly		1	
79	Hydraulic Motor/Valve/Line/etc...		1	
80	Drums/Flanges		1	
81	Clutch/Brake Protection		1	
82	Torque Converter		1	
83	Anti-Skid Surface		2	
84	Steps/Hand Holds/Platforms		1	
85	Access to Cab and Roof		1	
86	Air System - Compressor/Line/etc...		1	
87	Counterweight, Frame, Mounting		1	
88	Counterweight Warning Signs		1	
89	Electrocution Warning Sign Outside		1	
90	Other			
10i	Safety Devices/Operational Aids			
91	Warning Decals		1	
92	Boom Angle Indicator		1	
93	Boom Hoist Shutoff		1	
94	Boom Hoist Ratchet and Pawl		1	
95	Lower Hoist Limit Device		1	
96	Trolley Limit Device		1	
97	Main Drum Rotation Indicator		1	
98	Auxiliary Drum Rotation Indicator		1	
99	Load Moment Indicator		1	
100	Load Weight Indicator		1	
101	Radius Indicator		1	
102	Crane Level Indicator		1	
103	Anti-Two Block Device		1	
104	Two-Block Warning Device		1	
105	Wind Velocity Device		1	
106	Weather Vaning		1	
107	Aircraft Strobe Light		1	
10j	Boom Support System			
108	Gantry/Mast		1	
109	Boom Stops		1	
110	Inner Bail		1	
111	Outer Bail/Equailzer		1	
112	Sheaves		1	
113	Boom Hoist Reeving		1	
114	Other			

10 ON SITE INSPECTION CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10k	**Lattice Boom**			
115	Boom Section Identification		1	S
116	Boom Section Sequence		1	S
117	Boom Section Alignment		1	S
118	Warning Decals		2	S
119	Spreader Bar		1	S
120	Sheaves		1	S
121	Sheave Marking		1	S
121	Hoist Line Dead End		1	S
122	Wire Rope Retainer(s)		1	S
123	Boom Foot Pins/Keepers		1	S
124	Boom Head Section		1	S
125	Auxiliary Boom Head		1	S
126	Lattice Member		1	S
127	Cord Members		1	S
128	End Connections/Pins		1	S
129	Other			–
10l	**Lattice Jib**			
130	Jib Section Identification		1	
131	Jib Section Sequence		1	
132	Jib Section Alignment		1	
133	Positive Stops		1	
134	Sheave(s)		1	
135	Sheave Marking		1	
136	Wire Rope Retainer(s)		1	
137	Jib Foot Pins/Keepers		1	
138	Jib Head Section		1	
139	Auxiliary Jib Head		1	
140	Lattice Member		1	
141	Cord Members		1	
142	End Connections/Pins		1	
143	Other			
10m	**Trolley**			
144	Frame		1	
145	Rails		1	
146	Rollers/Wheels		1	
147	Breaks		1	
148	Sheaves		1	
149	Other			
10n	**Mast Section**			
150	Mast Plumbness: _____			
151	Other			
152	**Mast Framing Sections**			
152a	Chords: _____ floor			
152b	Lattice: _____ floor			
152c	Base Plates: _____ floor			
152d	Top Plates: _____ floor			
152e	Other			
153	**Mast Fastening System**			
153a	Bolts: _____ floor			
153b	Washers: _____ floor			
153c	Nuts: _____ floor			
153d	Pins: _____ floor			
153e	Keepers: _____ floor			
153f	Other			
154	**Mast Safety Guards**			
154a	Platform: _____ floor			
154b	Railing: _____ floor			
154c	Toeboard: _____ floor			
154d	Ladder: _____ floor			
154e	Walkway: _____ floor			
154f	Other			

10 ON SITE INSPECTION CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10o	**Wire Rope**			
155	**Boom Hoist**			
155a	Size/Construction: 1 1/4" inch	RS 19-2.18.2.3	1	S
155b	Damage	RS 19-2.18.2	1	S
155c	Lubrication	RS 19-2.18.3.5	1	S
155d	Other			–
156	**Main Hoist**			
156a	Size/Construction: 1 5/8" inch	RS 19-2.18.2.3	1	S
156b	Damage	RS 19-2.18.2	1	S
156c	Lubrication	RS 19-2.18.3.5	1	S
156d	Other			–
157	**Auxiliary Hoist/Whip Line**			
157a	Size/Construction: 1 5/8" inch	RS 19-2.18.2.3	1	S
157b	Damage	RS 19-2.18.2	1	S
157c	Lubrication	RS 19-2.18.3.5	1	S
157d	Other			–
158	**Boom Pendants**			
158a	Size/Construction: _____ inch	RS 19-2.18.2.3	1	S
158b	Damage	RS 19-2.18.2	1	S
158c	Lubrication	RS 19-2.18.3.5	1	S
158d	Other			–
159	**Jib Pendants**			
159a	Size/Construction: _____ inch	RS 19-2.18.2.3	1	
159b	Damage	RS 19-2.18.2	1	
159c	Lubrication	RS 19-2.18.3.5	1	
159d	Other			
10p	**Hooks, Blocks & Balls**			
160	**Main Block & Hook**			
160a	Weight & Capacity Label		1	S
160b	Sheaves		1	S
160c	Safety Latch		1	S
160d	Wear, Twist & Throat Opening		1	S
160e	Bearing/Swivel		1	S
160f	Wedge Socket End Fitting		1	S
160g	Non-Destructive Test Results		1	–
160h	Other			–
161	**Bal & Hook**			
161a	Weight & Capacity Label		1	S
161b	Safety Latches		1	S
161c	Wear, Twist & Throat Opening		1	S
161d	Bearing/Swivel		1	S
161e	Wedge Socket End Fitting		1	S
161f	Non-Destructive Test Results		1	–
161g	Other			–
10q	**Load Test**			
162	**Boom**			
162a	Length: _____ ft			
162b	Load Radius: _____ ft			
162c	Boom Angle: _____ deg			
162d	Parts of Line: _____			
162e	Rated Capacity: _____ Tons			
162f	Test Weight: _____ Tons			
162g	Rated Capacity %: _____ %			
162h	Other			
163	**Jib**			
163a	Length: _____ ft			
163b	Load Radius: _____ ft			
163c	Boom Angle: _____ deg			
163d	Parts of Line: _____			
163e	Rated Capacity: _____ Tons			
163f	Test Weight: _____ Tons			
163g	Rated Capacity %: _____ %			

11. Equipment Characteristics

Boom I.D. No.	Length	Jib I.D. No.	Length	Mast I.D. No.	Length
Lattice Boom	185'				
Total Length	185'	Total Length		Total Length	

Cords:	X Tubular	Angular	Cords:	Tubular	Angular	Cords:	Tubular	Angular
Lacings:	X Tubular	Angular	Lacings:	Tubular	Angular	Lacings:	Tubular	Angular

Assembled Notes:

Unassembled Notes:

*Status: (S) Satisfactory (U) Deficiencies (IS) Parts hidden however functional (-) Not Applicable (SWO) Stop Work Order

References: OSHA 29CFR 1926.550; **ASME B30.3; 2008 NYC Building Code & RS 19-2 (2006); RCNY

12. Summary (RS 19-2 10.0 Annual Renewal of Certificate of Operation: renewal shall be accompanied by inspection and maintenance records in accordance with 15.1 and 18.1)

Item Numbers	Deficiencies	Date Corrected

13. Remarks

	Actual	Chart
High Boom	26' Radius	174'
Low Boom	173' Radius	175'

14. Inspector's & Supervising Inspector's Endorsement

Name	Signature of Inspector	Date
Joseph Hilker	Joseph Hilker	12/3/10
Name	Signature of Supervising Inspector	Date

3743

NYC Buildings

NYC Dept. of Buildings Cranes & Derricks Division - 280 Broadway, Room 501, New York, NY 10007
Tel: (212) 566-4696 Fax: (212) 566-5871 E-mail: candd@buildings.nyc.gov

Passed or Failed
PASSED

Tower Crane Inspection Checklist

Original	Copy
X	

1. Inspection Information

Date of Inspection: 12/3/10 Site Location: World Trade Center Boro: Manhattan

CN Number: Port Authority CN Expiration Date: - Phase: - Current Height: -

Inspector Name: Badge No.:

Type of Inspection: Erection Assembled Load Test Unassembled Jump-Up Jack-Down Dismantle

(CD Extension) Re-inspection Audit Patrol Sweep Chief Special SWO Lift# Complaint#

Inspection Results: (No Deficiencies) Okay to Issue CD Re-inspect:

Was SWO Issued: SWO # if issued: Number of Violations Issued*:

* list all violations in remark section

2. Crane Data

Make: Favelle Favco Model: M760.0 Serial No.: 1166 Year: 2006

CD: 3743 Expiration Date: 12-11-10 Max Capacity: 70 TON Boom/Jib Length: 185'

Type: (Luffing Boom) Hammer-Head Power Plant: Electric (Diesel) Climber Type: (Internal) External

3. Crane Owner Information

Crane Owner Name: Federated Equipment Co. LLC. Contact Name: Larry Davis Telephone: 212-599-1603

Address: 110 East 42 Street, Suite 1704 City: New York State: N.Y. Zip: 10017

4. User Information

Company Name: Contact Name: Telephone:

Address: City: State: Zip:

5. Rigger Information

Last Name: First Name: MI:

Licence No: Expiration Date: Type: Master Tower Special Master Hanger Special Hanger

6. Crane Safety Corrdinator Information

Last Name: First Name: MI:

Licence No: Expiration Date: On Site: Y N

7. Hoist Machine Operator Information

Last Name: DUNN First Name: Daniel MI:

Licence No: 5958 Expiration Date: 8-31-11 (Type: Class A) Class B Class C1 Class C2 Class C3

8. General Contractor/Site Safety Manager Information

Company Name: Contact Name: Telephone:

Address: City: State: Zip:

Licence No: Expiration Date: General Contractor Site Safety Manager

9. ON-SITE DOCUMENTATION INSPECTION

Item No.	Inspected Item	Code Section	SWO #1	Status*
9a	**Filing Application & Plan Data**			
1	Approved Plans on site	BC3319.4 & .5	1	S
2	Crane set-up conformity	RS 19-2.8.0	1	S
9b	**Jump Logs**			
3	Jump Logs	BC3319.6	1	—

9. ON-SITE DOCUMENTATION INSPECTION - continued

Item No.	Inspected Item	Code Section	SWO #1	Status*
9c	**General**			
4	CN - On-Site Sign-off (CD-4)	RS 19-2.8.0 & BC3319.6	2	S
5	CD - Approved CD (CD-2)	BC3319.4 & .5	2	S
6	Plumb & Torque Report (CD-6)	BC3319.8.2	2	S
7	Notice Raising/Lowering (CD-7)	RCNY 6-01(i)	1	—

10. ON SITE INSPECTION				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10a	**Pre-Erection Site Data**			
1	Foundation Plans # _____		1	
2	Tower Crane Foundation Pad		1	
3	Anchors		1	
4	Template		2	
5	Housekeeping		2	
6	Tower Base Perimeter Protection		2	
7	Other			
10b	**Guys, Ties & Supports**			
8	Slab Tie-in Reinforcing: ____floor		1	
9	Tie-in Slab: _____floor		1	
10	Collars: _____floor		1	
11	Wedges: _____floor		1	
12	Tie-ins: _____floor		1	
13	Tie-in Bolts: _____floor		1	
14	Guys: _____		1	
15	Collar/Tie Attachments: ___none ___wire rope ___chains		1	
10c	**Historical Data**			
16	Montly Inspection Records		2	✓
17	Maintenance Records		2	✓
18	Repair/Modification Records		2	✓
19	Other			—
10d	**General**			
20	Sheet Metal		2	✓
21	Guards/Covers		2	✓
22	Internal/External Lights		2	✓
23	Housekeeping		2	✓
24	Safety/Warning Decals & Labels		2	✓
25	Hand Signal Chart		2	—
26	Paint Condition/Corrosion Control		2	✓
27	Other			—
10e	**Operator's Cab & Station**			
28	Housekeeping		2	✓
29	Grab Rails/Steps/Platforms		2	✓
30	Anti-Skid Surface		2	✓
31	Glass		1	✓
32	Windshield Wiper(s)		1	✓
33	Door Restraint		2	✓
34	Fire Extinguisher		2	✓
35	Mirrors		2	✓
36	Seat Restraint		2	✓
37	Seat Belt/if required		2	—
38	Operator's Manual		1	✓
39	Operating Instructions/Decals		2	✓
40	Electrocution Warning Sign - Inside		2	—
41	Hand Signal Chart		1	—
42	Swing Brake/House Lock		1	—
43	Positive Swing Lock		1	✓
44	Controls - Forces/Movements		1	✓
45	Air Pressure		2	—
46	Foot Brakes - Latches/Linkage		1	—
47	Power Controlled Lowering		1	✓
48	Engine Clutch		2	✓
49	Accelerator/Throttle Control		2	✓
50	Other			—
10f	**Load Chart**			
51	Per Configuration		1	✓
52	Durable		1	✓
53	Legible		1	✓
54	Visible from Operator's Station		1	✓
55	Secured		2	✓
56	Other			—

10. ON SITE INSPECTION - CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10g	**Power Plant - Upper**			
57	Performance		2	✓
58	Exh System Guards & Insulators		2	✓
58	Belts/Hoses		2	✓
60	Guard Cover/Rotat & Recip Parts		2	✓
61	Other			—
10h	**Rotating Upper Superstructure**			
62	Turntable/Bearing		1	✓
63	Turntable - Rollers/Roller Path		1	✓
64	Ring Gear/Pinion Gear		1	✓
65	Hydraulic Pump(s)		1	✓
66	Hydraulic Pressure		1	✓
67	Electrical Wiring		1	✓
68	Main Hoist - Clutches/Brakes		1	✓
69	Main Hoist - Wrapping On Drum		1	✓
70	Main Hoist - Min Rope Wraps		1	✓
71	Auxiliary Hoist - Clutches/Brakes		1	✓
72	Auxiliary Hoist - Wrap On Drum		1	✓
73	Auxiliary Hoist - Min Rope Wraps		1	✓
74	Boom Hoist - Clutches/Brakes		1	✓
75	Boom Hoist - Wrapping On Drum		1	✓
76	Boom Hoist - Min Rope Wraps		1	✓
77	Boom Hoist - Gears/Shafts/etc...		1	✓
78	Swing System/Assembly		1	✓
79	Hydraulic Motor/Valve/Line/etc...		1	✓
80	Drums/Flanges		1	✓
81	Clutch/Brake Protection		1	✓
82	Torque Converter		1	—
83	Anti-Skid Surface		2	✓
84	Steps/Hand Holds/Platforms		1	✓
85	Access to Cab and Roof		1	✓
86	Air System - Compressor/Line/etc...		1	—
87	Counterweight, Frame, Mounting		1	✓
88	Counterweight Warning Signs		1	✓
89	Electrocution Warning Sign Outside		1	—
90	Other			—
10i	**Safety Devices/Operational Aids**			
91	Warning Decals		1	✓
92	Boom Angle Indicator		1	✓
93	Boom Hoist Shutoff		1	✓
94	Boom Hoist Ratchet and Pawl		1	✓
95	Lower Hoist Limit Device		1	✓
96	Trolley Limit Device		1	—
97	Main Drum Rotation Indicator		1	✓
98	Auxiliary Drum Rotation Indicator		1	✓
99	Load Moment Indicator		1	✓
100	Load Weight Indicator		1	✓
101	Radius Indicator		1	✓
102	Crane Level Indicator		1	—
103	Anti-Two Block Device		1	✓
104	Two-Block Warning Device		1	✓
105	Wind Velocity Device		1	✓
106	Weather Vaning		1	—
107	Aircraft Strobe Light		1	—
10j	**Boom Support System**			
108	Gantry/Mast		1	✓
109	Boom Stops		1	✓
110	Inner Bail		1	✓
111	Outer Bail/Equalizer		1	✓
112	Sheaves		1	✓
113	Boom Hoist Reeving		1	✓
114	Other			—

10 ON SITE INSPECTION CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10k	**Lattice Boom**			
115	Boom Section Identification		1	S
116	Boom Section Sequence		1	S
117	Boom Section Alignment		1	S
118	Warning Decals		2	S
119	Spreader Bar		1	S
120	Sheaves		1	S
121	Sheave Marking		1	S
121	Hoist Line Dead End		1	S
122	Wire Rope Retainer(s)		1	S
123	Boom Foot Pins/Keepers		1	S
124	Boom Head Section		1	S
125	Auxiliary Boom Head		1	S
126	Lattice Member		1	S
127	Cord Members		1	S
128	End Connections/Pins		1	S
129	Other			—
10l	**Lattice Jib**			
130	Jib Section Identification		1	
131	Jib Section Sequence		1	
132	Jib Section Alignment		1	
133	Positive Stops		1	
134	Sheave(s)		1	
135	Sheave Marking		1	
136	Wire Rope Retainer(s)		1	
137	Jib Foot Pins/Keepers		1	
138	Jib Head Section		1	
139	Auxiliary Jib Head		1	
140	Lattice Member		1	
141	Cord Members		1	
142	End Connections/Pins		1	
143	Other			
10m	**Trolley**			
144	Frame		1	
145	Rails		1	
146	Rollers/Wheels		1	
147	Breaks		1	
148	Sheaves		1	
149	Other			
10n	**Mast Section**			
150	Mast Plumbness: _____			
151	Other			
152	**Mast Framing Sections**			
152a	Chords: _____floor			
152b	Lattice: _____floor			
152c	Base Plates: _____floor			
152d	Top Plates: _____floor			
152e	Other			
153	**Mast Fastening System**			
153a	Bolts: _____floor			
153b	Washers: _____floor			
153c	Nuts: _____floor			
153d	Pins: _____floor			
153e	Keepers: _____floor			
153f	Other			
154	**Mast Safety Guards**			
154a	Platform: _____floor			
154b	Railing: _____floor			
154c	Toeboard: _____floor			
154d	Ladder: _____floor			
154e	Walkway: _____floor			
154f	Other			

10 ON SITE INSPECTION CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10o	**Wire Rope**			
155	**Boom Hoist**			
155a	Size/Construction: 1 1/4" inch	RS 19-2.18.2.3	1	S
155b	Damage	RS 19-2.18.2	1	S
155c	Lubrication	RS 19-2.18.3.5	1	S
155d	Other			—
156	**Main Hoist**			
156a	Size/Construction: 1 3/4" inch	RS 19-2.18.2.3	1	S
156b	Damage	RS 19-2.18.2	1	S
156c	Lubrication	RS 19-2.18.3.5	1	S
156d	Other			—
157	**Auxiliary Hoist/Whip Line**			
157a	Size/Construction: 1 1/4" inch	RS 19-2.18.2.3	1	S
157b	Damage	RS 19-2.18.2	1	S
157c	Lubrication	RS 19-2.18.3.5	1	S
157d	Other			—
158	**Boom Pendants**			
158a	Size/Construction: _____inch	RS 19-2.18.2.3	1	S
158b	Damage	RS 19-2.18.2	1	S
158c	Lubrication	RS 19-2.18.3.5	1	S
158d	Other			—
159	**Jib Pendants**			
159a	Size/Construction: _____inch	RS 19-2.18.2.3	1	
159b	Damage	RS 19-2.18.2	1	
159c	Lubrication	RS 19-2.18.3.5	1	
159d	Other			
10p	**Hooks, Blocks & Balls**			
160	**Main Block & Hook**			
160a	Weight & Capacity Label		1	S
160b	Sheaves		1	S
160c	Safety Latch		1	S
160d	Wear, Twist & Throat Opening		1	S
160e	Bearing/Swivel		1	S
160f	Wedge Socket End Fitting		1	S
160g	Non-Destructive Test Results		1	S
160h	Other			—
161	**Ball & Hook**			
161a	Weight & Capacity Label		1	S
161b	Safety Latches		1	S
161c	Wear, Twist & Throat Opening		1	S
161d	Bearing/Swivel		1	S
161e	Wedge Socket End Fitting		1	S
161f	Non-Destructive Test Results		1	—
161g	Other			—
10q	**Load Test**			
162	**Boom**			
162a	Length: _____ft			
162b	Load Radius: _____ft			
162c	Boom Angle: _____deg			
162d	Parts of Line: _____			
162e	Rated Capacity: _____Tons			
162f	Test Weight: _____Tons			
162g	Rated Capacity %: _____%			
162h	Other			
163	**Jib**			
163a	Length: _____ft			
163b	Load Radius: _____ft			
163c	Boom Angle: _____deg			
163d	Parts of Line: _____			
163e	Rated Capacity: _____Tons			
163f	Test Weight: _____Tons			
163g	Rated Capacity %: _____%			

1.1 Equipment Characteristics

Boom I.D. No.	Length	Jib I.D. No.	Length	Mast I.D. No.	Length
Lattice Boom	185'				
Total Length	180'	Total Length		Total Length	

Cords:	X Tubular	Angular	Cords:	Tubular	Angular	Cords:	Tubular	Angular
Lacings:	X Tubular	Angular	Lacings:	Tubular	Angular	Lacings:	Tubular	Angular

Assembled Notes:

Unassembled Notes:

*Status: (S) Satisfactory (U) Deficiencies (IS) Parts hidden however functional (-) Not Applicable (SWO) Stop Work Order

References: OSHA 29CFR 1926.550; **ASME B30.3; 2008 NYC Building Code & RS 19-2 (2006); RCNY

1.2 Summary (RS 19-2.10.0 Annual Renewal of Certificate of Operation - renewal shall be accompanied by inspection and maintenance records in accordance with 15 and 18.1)

Item Numbers	Deficiencies	Date Corrected

1.3 Remarks

	Actual	Chart
High Boom	23' Radius	17.4' Radius
Low Boom	172' Radius	175' Radius

4 Inspector's & Supervising Inspector's Endorsement

Name	Signature of Inspector	Date
Joseph Hiller		12/3/10
Name	Signature of Supervising Inspector	Date

3813

NYC Dept. of Buildings **Cranes & Derricks Division** - 280 Broadway, Room 501, New York, NY 10007
Tel: (212) 566-4696 Fax: (212) 566-5871 E-mail: candd@buildings.nyc.gov

MOBILE ON-SITE AND ANNUAL INSPECTION CHECKLIST

1. Inspection Information

Date of Inspection: 6-2-09 Site Location: 1 WORLD TRADE CENTER Boro: MANH. CN:

Inspector Name: F CASALE Badge No.: 1929

Type of Inspection: Annual Re-inspection On-Site Audit Patrol Sweep Chief Special SWO Lift# Complaint#

Inspection Results: No Deficiencies Issue CD Re-inspect SWO Issued # Number of Violations Issued

2. Crane Data

Make: Liebherr Model: LR1300 Serial No.: 134-007 Year: 2007

CD: 3813 Expiration Date: 5-31-09 Max Capacity: 330 TON Picture Taken: Y (N)

Crane Types: (BT) Boom Truck (CC) Crawler Crane (D) Derrick (MC) Mobile Crane (MMC) Multi-Station Mobile Crane (MT) Mobile Truck Tower Crane (P) Pile Driver

3. Crane Owner Information

Crane Owner Name: DAY MANE Contact Name: Telephone:

4. User Information

Company Name: TORNELL Contact Name: GEORGE Telephone:

5. Rigger Information

Last Name: N/A First Name: MI:

Licence No.: N/A Expiration Date: Type: Master Tower Special Master Hanger Special Hanger

6. Crane Safety Coordinator Information

Last Name: First Name: MI:

Licence No.: Expiration Date: On Site: Y N NA

7. Hoist Machine Operator Information

Last Name: MADDALONI First Name: TOM MI:

Licence No.: 5763 Expiration Date: 7-31-09 Type: Class A (Class B) Class C1 Class C2 Class C3

8. General Contractor/Site Safety Manager Information

Company Name: Contact Name: Telephone:

Licence No.: Expiration Date: General Contractor Site Safety Manager

9. ON-SITE INSPECTION

Item No.	Inspected Item	Code Section	SWO #1	Status*
9a	**Filing Application & Plan Data**			
1	Approved Permits & Plans on site	BC3319.4 & .5	1	—
2	Supporting Soil/Pad/Mat	RS 19-2.8.1.1 & 8.4	1	S
3	Crane set-up conformity	RS 19-2.8.0	1	—
4	CN - On-Site Sign-off (CD-4)	RS 19-2.8.1	1	—
5	CD - Approved CD (CD-2)	BC3319.4 & .5	1	—
9b	**Historical Data**			
6	Daily/Montly Inspection Records	**B30.5-2.1.5	2	S
7	Signed & Dated	**B30.5-2.1.5	2	S
9c	**General**			
8	Main Frame Member	RS 19-2.15.4.1	2	—
9	see section 10b page 2	Items 5, 7, 8 & 10	2	—
9d	**Outriggers**			
10	see section 10f page 2	items 48 thru 56	1	—
9e	**Crawler Assembly**			
11	see section 10g page 2	Items 57 thru 60	1	S
9f	**Operator's Cab & Station**			
12	see section 10h page 2	Items 64, 72, 77, 79, 80, 82-84		S
9g	**Load Chart**			
13	see section 10i psge 2	items 86 & 88	1	S

9. ON-SITE INSPECTION CONTINUED

Item No.	Inspected Item	Code Section	SWO #1	Status*
9h	**Safety Devices/Operational Aids**			
14	see section 10j page 2	Items 92-100, 102 & 103		S
9i	**Power Plant - Upper**			
15	Excess Smoke	RS 19-2.15.4.7	2	S
16	see section 10k page 2	Items 105, 106 & 108	2	S
9j	**Rotating Upper Superstructure**			
17	Turntable	RS 19-2.15.4.4	1	S
18	Pumps/Motors/Valves/Lines/Tubes	B30.5-2.1.3(l)(m)(n)	1	S
19	Ring Gear/Pinion Gear/Rollers	RS 19-2.15.4.4	1	S
20	Main Hoist and Rope	see sections 9f & 9i	1	S
21	Auxiliary Hoist and Rope	see sections 9f & 9i	1	S
22	Boom Hoist and Rope	see sections 9f & 9i	1	S
23	Luffing Boom Hoist and Rope		1	—
9k	**Lattice Boom**			
24	see section 10o page 3	Items 148, 152-154	1	S
9l	**Telescopic Boom**			
25	see section 10q page 3	Items 168, 170-172	1	—
9m	**Wire Rope, Hook, Block & Ball**			
26	see section 10s page 3	items 186-190	1	S
27	see section 10t page 3	Items 191/192a-c & I	1	S

10. ANNUAL INSPECTION				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10a	Historical Data			
1	Monthly Inspection Records	**B30.5-2.1.5	2	
2	Maintenance Records	RS 19-2.17.1.1	2	
3	Repair/Modification Records	RS 19-2.17.3.4	2	
4	Other			
10b	General			
5	Sheet Metal	**B30.5-1.2.1(a)	2	
6	Guards/Covers	1926.550(a)(8) & (10)	2	
7	Internal/External Lights	1926.601(2)(i) & (ii)	2	
8	Housekeeping	RS 19-2.26.0	2	
9	Safety/Warning Decals & Labels	1926.550(a)(2)	2	
10	Hand Signal Chart	1926.550(a)(4)	2	
11	Paint Condition/Corrosion Control	RS 19-2.15.4.1	2	
12	Other			
10c	Driver's Cab & Station			
13	Access - Grab Rails/Steps	1926.550(a)(13)(i) & (ii)	2	
14	Glass	1926.550(a)(12)	1	
15	Windshield Wiper(s)	1926.601(b)(2)(i) & (ii)	2	
16	Door(s) Restraint(s)	**B30.5-1.8.1.(c)	2	
17	Mirrors	1926.601(b)(4)	2	
18	Fire Extinguisher	RS 19-2.28.0	2	
19	Seat(s) Restraint(s)	1926.601(b)(8)	2	
20	Seat Belt(s)	1926.601(b)(9)	2	
21	Parking Brake	1926.601(b)(1)	2	
22	Air Pressure	RS 19-2.15.3.4	2	
23	Controls Identified	1926.550(a)(2)	2	
24	Instruments/Gauges	RS 19-2.15.4.6	2	
25	Electrical Switches/Functions	RS 19-2.15.3	2	
26	Horn	1926.601(b)(3)	2	
27	Ligths	1926.550(a)(1)	2	
28	Steering	RS 19-2.15.4.10	2	
29	Engine Clutch	**B30.5-1.6.4	2	
30	Accelerator	**B30.5-1.6.3(b)	2	
31	Brake	RS 19-2.15.4.10	2	
32	Other			
10d	Carrier Powe Plant - Lower			
33	Performance	RS 19-2.15.4.7	2	
34	Exh System/Guards & Insulators	1926.550(a)(10)	2	
35	Belts/Hoses	RS 19-2.15.4	2	
36	Guard/Cover/Rotat & Recip Parts	1926.550(a)(8)	2	
37	Other			
10e	Carrier			
38	Transmission	RS 19-2.15.4	2	
39	Drive Line	RS 19-2.15.4	2	
40	Tire/Air Pressure/Wheels	RS 19-2.15.4.11	2	
41	Main Frame Members	RS 19-2.15.4.1	2	
42	Hydraulic Hoses/Tubing/Fitting	B30.5-2.1.3(l)	1	
43	Hydraulic Fluid Level	B30.5-2.1.3(h)	1	
44	Anti-Skid Surface	1926.550(a)(13)(iii)	2	
45	Front Bumper Counterweight	RS 19-2.15.4(2&4)	2	
46	Backup Alarm	1926.601(b)(4)(i)	2	
47	Other			
10f	Outriggers			
48	Boxes	RS 19-2.15.4.1	1	
49	Beams	RS 19-2.15.4.1	1	
50	Cylinders	RS 19-2.15.4	1	
51	Floats/Pads	**B30.5-1.9.3(d)	1	
52	Hydraulic Hoses/Tubes/Fittings	RS 19-2.15.3.4	1	
53	Holding Valves	**B30.5-1.9.3(b)	1	
54	Position Locks	RS 19-2.15.4.4	1	
55	Warning Signs	1926.550(a)(2)	1	
56	Blocking/Cribbing		1	

10. ANNUAL INSPECTION - CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10g	Crawler Assembly			
57	Car Body/Side Frames	**B30.5-1.8	1	
58	Chain - Condition/Adjustment	RS 19-2.15.4.8	1	
59	Sprockets/Idlers/Rollers	RS 19-2.15.4	1	
60	Track Pads/Pins	RS 19-2.15.4	1	
61	Travel Locks	**B30.5-1.5.3(a)	1	
62	Steering Clutches	**B30.5-1.5.2(b)	1	
63	Other			
10h	Operator's Cab & Station			
64	Grab Rails/Steps/Platforms	1926.550(a)(13)(i & iii)	2	
65	Anti-Skid Surface	1926.550(a)(13)(iii)	2	
66	Glass	1926.550(a)(12)	1	
67	Windshield Wiper(s)	1926.601(2)(i) & (ii)	1	
68	Door Restraint	**B30.5-1.8.1.(c)	2	
69	Fire Extinguisher	RS 19-2.28.0	2	
70	Mirrors	1926.601(b)(4)	2	
71	Seat Restraint	1926.601(b)(8)	2	
72	Seat Belt/if required	1926.601(b)(9)	2	
73	Operator's Manual	1926.550(a)(1)	1	
74	Operating Instructions/Decals	1926.550(a)(2)	2	
75	Electrocution Warning Sign - Inside	1926.550(a)(2)	2	
76	Hand Signal Chart	1926.550(a)(4)	1	
77	Swing Brake/House Lock	**B30.5-1.4.2(a)/(b)	1	
78	Positive Swing Lock	**B30.5-1.4.2(b)	1	
79	Controls - Forces/Movements	**B30.5-1.6.2	1	
80	Air Pressure	RS 19-2.15.3.4	2	
81	Foot Brakes - Latches/Linkage	**B30.5-1.3.2(b)(2)	1	
82	Power Controlled Lowering	**B30.5-1.3.2(c)	1	
83	Engine Clutch	**B30.5-1.6.4	2	
84	Accelerator/Throttle Control	**B30.5-1.6.3(b)	2	
85	Other			
10i	Load Chart			
86	Per Configuration	1926.550(a)(1 & 2)	1	
87	Durable	**B30.5-1.1.3	1	
88	Legible	**B30.5-1.1.3	1	
89	Visible from Operator's Station	**B30.5-1.1.3	1	
90	Secured	**B30.5-1.1.3	2	
91	Other			
10j	Safety Devices/Operational Aids			
92	Warning Decals	1926.550(a)(2)	1	
93	Boom Angle Indicator	RS 19-2.19.1.3	1	
94	Main Drum Rotation Indicator	RS 19-2.19.3(e)	1	
95	Auxiliary Drum Rotation Indicator	RS 19-2.19.3(e)	1	
96	Load Moment Indicator	**B30.5-2.1.2(a)(3)	1	
97	Load Weight Indicator	RS 19-2.19.1	1	
98	Radius Indicator	RS 19-2.19.1.3	1	
99	Crane Level Indicator	RS 19-2.19.3(d)	1	
100	Anti-Two Block Device	RS 19-2.19.2	1	
101	Two-Block Warning Device	RS 19-2.19.2	1	
102	Boom Hoist Shutoff***	RS 19-2.19.3(c)	1	
103	Boom Hoist Ratchet and Pawl	**B30.5-1.3.1(c)	1	
104	Other			
10k	Power Plant - Upper			
105	Performance	RS 19-2.15.4.7	2	
106	Exh System Guards & Insulators	1926.550(a)(10)	2	
107	Belts/Hoses	B30.5-2.1.3	2	
108	Guard Cover/Rotat & Recip Parts	1926.550(a)(8)	2	
109	Other			
10l	Rotating Upper Superstructure			
110	Turntable/Bearing	RS 19-2.15.4.4	1	
111	Turntable - Rollers/Roller Path	RS 19-2.15.4.4	1	
112	Ring Gear/Pinion Gear	RS 19-2.15.4.4	1	

10 ANNUAL INSPECTION - CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10m	Rotating Upper Superstructure - Continued			
113	Hydraulic Pump(s)	B30.5-2.1.3(m)	1	
114	Hydraulic Pressure	B30.5-1.1.3(n)(6)	1	
115	Electrical Wiring	RS 19-2.15.3.7	1	
116	Main Hoist - Clutches/Brakes	**B30.5-1.3.2(a)(1)	1	
117	Main Hoist - Wrapping On Drum	RS 19-2.15.3.6	1	
118	Main Hoist - Min Rope Wraps	**B30.5-1.3.2(a)(2)a	1	
119	Auxiliary Hoist - Clutches/Brakes	B30.5-1.3.2.1	1	
120	Auxiliary Hoist - Wrap On Drum	RS 19-2.15.3.6	1	
121	Auxiliary Hoist - Min Rope Wraps	**B30.5-1.3.2(a)(2)a	1	
122	Boom Hoist - Clutches/Brakes	**B30.5-1.3.1(a)	1	
123	Boom Hoist - Wrapping On Drum	RS 19-2.15.3.6	1	
124	Boom Hoist - Min Rope Wraps	**B30.5-1.3.1(d)(1)	1	
125	Boom Hoist - Gears/Shafts/etc...	RS 19-2.15.4.4	1	
126	Swing System/Assembly	**B30.5-1.4	1	
127	Hydraulic Motor/Valve/Line/etc...	B30.5-2.1.3	1	
128	Drums/Flanges	RS 19-2.15.4.3	1	
129	Clutch/Brake Protection	**B30.5-1.9.7	1	
130	Torque Converter	**B30.5-1.6.4	1	
131	Anti-Skid Surface	1926.550(a)(13)(iii)	2	
132	Steps/Hand Holds/Platforms	B30.5-1.8.3(b)	1	
133	Access to Cab and Roof	B30.5-1.8.4	1	
134	Air System - Compressor/Line/etc...	RS 19-2.15.3.4	1	
135	Counterweight Frame& Mounting	RS 19-2.15.4.(1 & 4)	1	
136	Counterweight Warning Signs	1926.550(a)(2)	1	
137	Electrocution Warning Sign Outside	1926.550(a)(2)	1	
138	Other		1	
10n	Boom Support System			
139	Gantry/Mast	**B30.5-1.3.1	1	
140	Boom Stops	RS 19-2.19.3(c)	1	
141	Inner Bail	**B30.5-1.3.1	1	
142	Outer Bail/Equailzer	**B30.5-1.3.1	1	
143	Sheaves	RS 19-2.15.4.3	1	
144	Boom Hoist Reeving	RS 19-2.19.3.6	1	
145	Other			
10o	Lattice Boom			
146	Boom Section Identification		2	
147	Boom Section Sequence		1	
148	Boom Section Alignment	RS 19-2.15.4.1	1	
149	Warning Decals	1926.550(a)(2)	2	
150	Spreader Bar		1	
151	Sheaves	RS 19-2.15.4.3	1	
152	Hoist Line Dead End	B30.5-1.7.3	1	
153	Wire Rope Retainer(s)	B30.5-1.7.4(b)	1	
154	Boom Foot Pins/Keepers	RS 19-2.15.4.4	1	
155	Boom Head Section	RS 19-2.15.4.1	1	
156	Auxiliary Boom Head	RS 19-2.15.4.1	1	
157	Lattice Member	RS 19-2.15.4.1	1	
158	Cord Members	RS 19-2.15.4.1	1	
159	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	
160	Other			
10p	Lattice Jib			
161	Positive Stops	1926.550(b)(1)	1	
162	Sheave(s)	RS 19-2.15.4.3	1	
163	Wire Rope Retainer(s)	**B30.5-1.7.4(b)	1	
164	Lattice Member	RS 19-2.15.4.1	1	
165	Cord Members	RS 19-2.15.4.1	1	
166	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	
167	Other			
10q	Telescopic Boom			
168	Lift Cylinder(s)	B30.5-2.1.3(o)	1	
169	Telescoping Cylinder(s)	B30.5-2.1.3(o)	1	

10 ANNUAL INSPECTION - CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10q	Telescopic Boom - Continued			
170	Hydraulic Hoses/Tubing Fittings	B30.5-2.1.3(l)	1	
171	Holding Devices	B30.5-2.1.3(n)	1	
172	Boom Section Alignment	RS 19-2.15.4.1	1	
173	Wear Pads	RS 19-2.15.4.5	1	
174	Equal Extension	RS 19-2.15.4	1	
175	Sheaves	RS 19-2.15.4.3	1	
176	Structure/Welds		1	
177	Boom Hinge Pin	RS 19-2.15.4.4	1	
178	Boom Head Section	RS 19-2.15.4.1	1	
179	Wire Rope Retainer	**B30.5-1.7.4(b)	1	
180	Other			
181	Other			
10r	Solid Jib Extension, Manual Sections			
182	Alignment	RS 19-2.15.4.1	1	
183	Locking Devices	RS 19-2.15.4.4	1	
184	Structure/Welds		1	
185	Other			
10s	Wire Rope			
186	Boom Hoist			
186a	Size/Construction: 20" inch	RS 19-2.18.2.3	1	
186b	Damage	RS 19-2.18.2	1	
186c	Lubrication	RS 19-2.18.3.5	1	
186d	Other			
187	Main Hoist			
187a	Size/Construction: 20" inch	RS 19-2.18.2.3	1	
187b	Damage	RS 19-2.18.2	1	
187c	Lubrication	RS 19-2.18.3.5	1	
187d	Other			
188	Auxiliary Hoist/Whip Line			
188a	Size/Construction: 28 inch	RS 19-2.18.2.3	1	
188b	Damage	RS 19-2.18.2	1	
188c	Lubrication	RS 19-2.18.3.5	1	
188d	Other			
189	Boom Pendants			
189a	Size/Construction: ____ inch	RS 19-2.18.2.3	1	
189b	Damage	RS 19-2.18.2	1	
189c	Lubrication	RS 19-2.18.3.5	1	
189d	Other			
190	Jib Pendants			
190a	Size/Construction: ____ inch	RS 19-2.18.2.3	1	
190b	Damage	RS 19-2.18.2	1	
190c	Lubrication	RS 19-2.18.3.5	1	
190d	Other			
10t	Hooks, Blocks & Balls			
191	Main Block & Hook			
191a	Weight & Capacity Label	B30.5-1.7.6	1	
191b	Sheaves	RS 19-2.15.4.3	1	
191c	Safety Latches	B30.5-1.7.6	1	
191d	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	
191e	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	
191f	Wedge Socket End Fitting	**B30.5-1.7.3.(c)	1	
191g	Non-Destructive Test Results	RS 19-2.15.4.9	1	
191h	Other			
192	Ball & Hook			
192a	Weight & Capacity Label	B30.5-1.7.6	1	
192b	Safety Latches	B30.5-1.7.6	1	
192c	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	
192d	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	
192e	Wedge Socket End Fitting	**B30.5-1.7.3.(c)	1	
192f	Non-Destructive Test Results	RS 19-2.15.4.9	1	
192g	Other			

11. Equipment Characteristics

Boom I.D. No.	Length	Jib I.D. No.	Length	Mast I.D. No.	Length
	184'				
Total Length		Total Length	46'	Total Length	
Cords: Tubular ○ Angular		Cords: Tubular ○ Angular		Cords: Tubular Angular	
Lacings: Tubular ○ Angular		Lacings: Tubular ○ Angular		Lacings: Tubular Angular	

Assembled Notes:

Unassembled Notes:

*Status: (S) Satisfactory (U) Deficiencies (IS) Parts hidden however functional (-) Not Applicable (SWO) Stop Work Order

References: OSHA 29CFR 1926.550 & 1910.180; **ASME B30.5 (1968); ASME B30.5 (2004); 2008 NYC Building Code & RS 19-2 (2006); RCNY

***Consult operator's manual for kick-out angle for boom

12. Summary (RS 19-2.10.0 Annual Renewal of Certificate of Operation - renewal shall be accompanied by inspection and maintenance records in accordance with 15.1 and 18.1)

Item Numbers	Deficiencies	Date Corrected

13. Remarks

All SAFETY'S WORKING, OK TO EXTEND CL 3 MONTHS

14. Inspector's & Supervising Inspector's Endorsement

Name	Signature of Inspector	Date
F. CASALE	[signature]	6-2-09
Name	Signature of Supervising Inspector	Date

3956

NYC Dept. of Buildings Cranes & Derricks Division - 280 Broadway, Room 501, New York, NY 10007
Tel: (212) 566-4696 Fax: (212) 566-5871 E-mail: candd@buildings.nyc.gov

MOBILE ON-SITE AND ANNUAL INSPECTION CHECKLIST

1. Inspection Information

Date of Inspection: 01/29/10 Site Location: 1 WORLD TRADE CENTER Boro: MANH. CN: WTC SITE.

Inspector Name: John Moran. Badge No.: 2354.

Type of Inspection: (Annual) Re-Inspection On-Site Audit Patrol Sweep Chief Special SWO Lift# Complaint#

Inspection Results: No Deficiencies Issue CD Re-Inspect SWO Issued # Number of Violations Issued

2. Crane Data

Make: Grove Model: RT 600E Serial No.: 228738 Year: 2008.

CD: 3956. Expiration Date: 2/1/10. Max Capacity: 50 TON. Picture Taken: (Y) N

Crane Types: (BT) Boom Truck (CC) Crawler Crane (D) Derrick (MC) Mobile Crane (MMC) Multi-Station Mobile Crane (MT) Mobile Truck Tower Crane (P) Pile Driver

3. Crane Owner Information

Crane Owner Name: Collavino Contact Name: B. Walton Telephone: 1212 608 9283.

4. User Information

Company Name: Collavino Contact Name: B. Walton Telephone: 1212 608 9283.

5. Rigger Information

Last Name: First Name: MI:

Licence No.: Expiration Date: Type: Master Tower Special Master Hanger Special Hanger

6. Crane Safety Coordinator Information

Last Name: First Name: MI:

Licence No.: Expiration Date: On Site: Y N NA

7. Hoist Machine Operator Information

Last Name: Walsh First Name: Steven MI:

Licence No.: 9192 Expiration Date: 1/31/12 Type: (Class A) Class B Class C1 Class C2 Class C3

8. General Contractor/Site Safety Manager Information

Company Name: Tishman Contact Name: Telephone:

Licence No.: Expiration Date: (General Contractor) Site Safety Manager

9. ON-SITE INSPECTION

Item No.	Inspected Item	Code Section	SWO #1	Status*
9a	**Filing Application & Plan Data**			
1	Approved Permits & Plans on site	BC3319.4 & .5	1	
2	Supporting Soil/Pad/Mat	RS 19-2.8.1.1 & 8.4	1	
3	Crane set-up conformity	RS 19-2.8.0	1	
4	CN - On-Site Sign-off (CD-4)	RS 19-2.8.1	1	
5	CD - Approved CD (CD-2)	BC3319.4 & .5	1	
9b	**Historical Data**			
6	Daily/Montly Inspection Records	**B30.5-2.1.5	2	
7	Signed & Dated	**B30.5-2.1.5	2	
9c	**General**			
8	Main Frame Member	RS 19-2.15.4.1	2	
9	see section 10b page 2	Items 5, 7, 8 & 10	2	
9d	**Outriggers**			
10	see section 10f page 2	Items 48 thru 56	1	
9e	**Crawler Assembly**			
11	see section 10g page 2	Items 57 thru 60	1	
9f	**Operators Cab & Station**			
12	see section 10h page 2	Items 64, 72, 77, 79, 80, 82-84		
9g	**Load Chart**			
13	see section 10i psge 2	Items 86 & 88	1	

9. ON-SITE INSPECTION CONTINUED

Item No.	Inspected Item	Code Section	SWO #1	Status*
9h	**Safety Devices/Operational Aids**			
14	see section 10j page 2	Items 92-100, 102 & 103		
9i	**Power Plant - Upper**			
15	Excess Smoke	RS 19-2.15.4.7	2	
16	see section 10k page 2	Items 105, 106 & 108	2	
9j	**Rotating Upper Superstructure**			
17	Turntable	RS 19-2.15.4.4	1	
18	Pumps/Motors/Valves/Lines/Tubes	B30.5-2.1.3(l)(m)(n)	1	
19	Ring Gear/Pinion Gear/Rollers	RS 19-2.15.4.4	1	
20	Main Hoist and Rope	see sections 9f & 9l	1	
21	Auxiliary Hoist and Rope	see sections 9f & 9l	1	
22	Boom Hoist and Rope	see sections 9f & 9l	1	
23	Luffing Boom Hoist and Rope		1	
9k	**Lattice Boom**			
24	see section 10o page 3	Items 148, 152-154	1	
9l	**Telescopic Boom**			
25	see section 10q page 3	Items 168, 170-172	1	
9m	**Wire Rope - Hook Block & Ball**			
26	see section 10s page 3	Items 186-190	1	
27	see section 10t page 3			

10 ANNUAL INSPECTION				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10a	Historical Data			
1	Monthly Inspection Records	**B30.5-2.1.5	2	
2	Maintenance Records	RS 19-2.17.1.1	2	
3	Repair/Modification Records	RS 19-2.17.3.4	2	
4	Other			
10b	General			
5	Sheet Metal	**B30.5-1.2.1(a)	2	
6	Guards/Covers	1926.550(a)(8) & (10)	2	
7	Internal/External Lights	1926.601(2)(i) & (ii)	2	
8	Housekeeping	RS 19-2.26.0	2	
9	Safety/Warning Decals & Labels	1926.550(a)(2)	2	
10	Hand Signal Chart	1926.550(a)(4)	2	
11	Paint Condition/Corrosion Control	RS 19-2.15.4.1	2	
12	Other			
10c	Driver's Cab / Station			
13	Access - Grab Rails/Steps	1926.550(a)(13)(i) & (ii)	2	
14	Glass	1926.550(a)(12)	1	
15	Windshield Wiper(s)	1926.601(b)(2)(i) & (ii)	2	
16	Door(s) Restraint(s)	**B30.5-1.8.1.(c)	2	
17	Mirrors	1926.601(b)(4)	2	
18	Fire Extinguisher	RS 19-2.26.0	2	
19	Seat(s) Restraint(s)	1926.601(b)(8)	2	
20	Seat Belt(s)	1926.601(b)(9)	2	
21	Parking Brake	1926.601(b)(1)	2	
22	Air Pressure	RS 19-2.15.3.4	2	
23	Controls Identified	1926.550(a)(2)	2	
24	Instruments/Gauges	RS 19-2.15.4.6	2	
25	Electrical Switches/Functions	RS 19-2.15.3	2	
26	Horn	1926.601(b)(3)	2	
27	Ligths	1926.550(a)(1)	2	
28	Steering	RS 19-2.15.4.10	2	
29	Engine Clutch	**B30.5-1.6.4	2	
30	Accelerator	**B30.5-1.6.3(b)	2	
31	Brake	RS 19-2.15.4.10	2	
32	Other			
10d	Carrier Power Plant - Lower			
33	Performance	RS 19-2.15.4.7	2	
34	Exh System/Guards & Insulators	1926.550(a)(10)	2	
35	Belts/Hoses	RS 19-2.15.4	2	
36	Guard/Cover/Rotat & Recip Parts	1926.550(a)(8)	2	
37	Other			
10e	Carrier			
38	Transmission	RS 19-2.15.4	2	
39	Drive Line	RS 19-2.15.4	2	
40	Tire/Air Pressure/Wheels	RS 19-2.15.4.11	2	
41	Main Frame Members	RS 19-2.15.4.1	2	
42	Hydraulic Hoses/Tubing/Fitting	B30.5-2.1.3(i)	1	
43	Hydraulic Fluid Level	B30.5-2.1.3(h)	1	
44	Anti-Skid Surface	1926.550(a)(13)(iii)	2	
45	Front Bumper Counterweight	RS 19-2.15.4(2&4)	2	N/A
46	Backup Alarm	1926.601(b)(4)(i)	2	
47	Other			
10f	Outriggers			
48	Boxes	RS 19-2.15.4.1	1	
49	Beams	RS 19-2.15.4.1	1	
50	Cylinders	RS 19-2.15.4	1	
51	Floats/Pads	**B30.5-1.9.3(d)	1	
52	Hydraulic Hoses/Tubes/Fittings	RS 19-2.15.3.4	1	
53	Holding Valves	**B30.5-1.9.3(b)	1	
54	Position Locks	RS 19-2.15.4.4	1	
55	Warning Signs	1926.550(a)(2)	1	

10 ANNUAL INSPECTION CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10g	Crawler Assembly			
57	Car Body/Side Frames	**B30.5-1.8	1	
58	Chain - Condition/Adjustment	RS 19-2.15.4.8	1	
59	Sprockets/Idlers/Rollers	RS 19-2.15.4	1	
60	Track Pads/Pins	RS 19-2.15.4	1	
61	Travel Locks	**B30.5-1.5.3(a)	1	
62	Steering Clutches	**B30.5-1.5.2(b)	1	
63	Other			
10h	Operator Cab & Station			
64	Grab Rails/Steps/Platforms	1926.550(a)(13)(i & iii)	2	
65	Anti-Skid Surface	1926.550(a)(13)(iii)	2	
66	Glass	1926.550(a)(12)	1	
67	Windshield Wiper(s)	1926.601(2)(i) & (ii)	1	
68	Door Restraint	**B30.5-1.8.1.(c)	2	
69	Fire Extinguisher	RS 19-2.26.0	2	
70	Mirrors	1926.601(b)(4)	2	
71	Seat Restraint	1926.601(b)(8)	2	
72	Seat Belt/if required	1926.601(b)(9)	2	
73	Operator's Manual	1926.550(a)(1)	1	
74	Operating Instructions/Decals	1926.550(a)(2)	2	
75	Electrocution Warning Sign - Inside	1926.550(a)(2)	2	
76	Hand Signal Chart	1926.550(a)(4)	1	
77	Swing Brake/House Lock	**B30.5-1.4.2(a)/(b)	1	
78	Positive Swing Lock	**B30.5-1.4.2(b)	1	
79	Controls - Forces/Movements	**B30.5-1.6.2	1	
80	Air Pressure	RS 19-2.15.3.4	2	
81	Foot Brakes - Latches/Linkage	**B30.5-1.3.2(b)(2)	1	
82	Power Controlled Lowering	**B30.5-1.3.2(c)	1	
83	Engine Clutch	**B30.5-1.6.4	2	
84	Accelerator/Throttle Control	**B30.5-1.6.3(b)	2	
85	Other			
10i	Load Chart			
86	Per Configuration	1926.550(a)(1 & 2)	1	
87	Durable	**B30.5-1.1.3	1	
88	Legible	**B30.5-1.1.3	1	
89	Visible from Operator's Station	**B30.5-1.1.3	1	
90	Secured	**B30.5-1.1.3	2	
91	Other			
10j	Safety Devices/Operational Aids			
92	Warning Decals	1926.550(a)(2)	1	
93	Boom Angle Indicator	RS 19-2.19.1.3	1	
94	Main Drum Rotation Indicator	RS 19-2.19.3(g)	1	N/A
95	Auxiliary Drum Rotation Indicator	RS 19-2.19.3(g)	1	N/A
96	Load Moment Indicator	**B30.5-2.1.2(a)(3)	1	
97	Load Weight Indicator	RS 19-2.19.1	1	
98	Radius Indicator	RS 19-2.19.1.3	1	
99	Crane Level Indicator	RS 19-2.19.3(d)	1	
100	Anti-Two Block Device	RS 19-2.19.2	1	
101	Two-Block Warning Device	RS 19-2.19.2	1	
102	Boom Hoist Shutoff***	RS 19-2.19.3(c)	1	
103	Boom Hoist Ratchet and Pawl	**B30.5-1.3.1(c)	1	N/A
104	Other			
10k	Power Plant - Upper			
105	Performance	RS 19-2.15.4.7	2	
106	Exh System Guards & Insulators	1926.550(a)(10)	2	
107	Belts/Hoses	B30.5-2.1.3	2	
108	Guard Cover/Rotat & Recip Parts	1926.550(a)(8)	2	
109	Other			
10l	Rotating Upper Superstructure			
110	Turntable/Bearing	RS 19-2.15.4.4	1	
111	Turntable - Rollers/Roller Path	RS 19-2.15.4.4	1	
112	Ring Gear/Pinion Gear	RS 19-2.15.4.4	1	

7.0 ANNUAL INSPECTION CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10n	Rotating Upper Superstructure Continued			
113	Hydraulic Pump(s)	B30.5-2.1.3(m)	1	
114	Hydraulic Pressure	B30.5-1.1.3(n)(6)	1	
115	Electrical Wiring	RS 19-2.15.3.7	1	
116	Main Hoist - Clutches/Brakes	**B30.5-1.3.2(a)(1)	1	
117	Main Hoist - Wrapping On Drum	RS 19-2.15.3.6	1	
118	Main Hoist - Min Rope Wraps	**B30.5-1.3.2(a)(2)a	1	
119	Auxiliary Hoist - Clutches/Brakes	B30.5-1.3.2.1	1	
120	Auxiliary Hoist - Wrap On Drum	RS 19-2.15.3.6	1	
121	Auxiliary Hoist - Min Rope Wraps	**B30.5-1.3.2(a)(2)a	1	
122	Boom Hoist - Clutches/Brakes	**B30.5-1.3.1(a)	1	
123	Boom Hoist - Wrapping On Drum	RS 19-2.15.3.6	1	
124	Boom Hoist - Min Rope Wraps	**B30.5-1.3.1(d)(1)	1	
125	Boom Hoist - Gears/Shafts/etc...	RS 19-2.15.4.4	1	
126	Swing System/Assembly	**B30.5-1.4	1	
127	Hydraulic Motor/Valve/Line/etc...	B30.5-2.1.3	1	
128	Drums/Flanges	RS 19-2.15.4.3	1	
129	Clutch/Brake Protection	**B30.5-1.9.7	1	
130	Torque Converter	**B30.5-1.6.4	1	
131	Anti-Skid Surface	1926.550(a)(13)(iii)	2	
132	Steps/Hand Holds/Platforms	B30.5-1.6.3(b)	1	
133	Access to Cab and Roof	B30.5-1.6.4	1	
134	Air System - Compressor/Line/etc...	RS 19-2.15.3.4	1	
135	Counterweight Frame& Mounting	RS 19-2.15.4.(1 & 4)	1	
136	Counterweight Warning Signs	1926.550(a)(2)	1	
137	Electrocution Warning Sign Outside	1926.550(a)(2)	1	
138	Other		1	
10m	Boom Support System			
139	Gantry/Mast	**B30.5-1.3.1	1	
140	Boom Stops	RS 19-2.19.3(c)	1	
141	Inner Ball	**B30.5-1.3.1	1	
142	Outer Ball/Equalizer	**B30.5-1.3.1	1	
143	Sheaves	RS 19-2.15.4.3	1	
144	Boom Hoist Reeving	RS 19-2.19.3.6	1	
145	Other			
10o	Lattice Boom			
146	Boom Section Identification			
147	Boom Section Sequence			
148	Boom Section Alignment	RS 19-2.15.4.1	1	
149	Warning Decals	1926.550(a)(2)	2	
150	Spreader Bar			
151	Sheaves	RS 19-2.15.4.3	1	
152	Hoist Line Dead End	B30.5-1.7.3	1	
153	Wire Rope Retainer(s)	B30.5-1.7.4(b)	1	
154	Boom Foot Pins/Keepers	RS 19-2.15.4.4	1	
155	Boom Head Section	RS 19-2.15.4.1	1	
156	Auxiliary Boom Head	RS 19-2.15.4.1	1	
157	Lattice Member	RS 19-2.15.4.1	1	
158	Cord Members	RS 19-2.15.4.1	1	
159	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	
160	Other			
10p	Lattice Jib			
161	Positive Stops	1926.550(b)(1)	1	
162	Sheave(s)	RS 19-2.15.4.3	1	
163	Wire Rope Retainer(s)	**B30.5-1.7.4(b)	1	
164	Lattice Member	RS 19-2.15.4.1	1	
165	Cord Members	RS 19-2.15.4.1	1	
166	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	
167	Other			
10q	Telescopic Boom			
168	Lift Cylinder(s)	B30.5-2.1.3(o)	1	
169	Telescoping Cylinder(s)	B30.5-2.1.3(o)	1	

7.0 ANNUAL INSPECTION CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10q	Telescopic Boom - Continued			
170	Hydraulic Hoses/Tubing Fittings	B30.5-2.1.3(l)	1	
171	Holding Devices	B30.5-2.1.3(n)	1	
172	Boom Section Alignment	RS 19-2.15.4.1	1	
173	Wear Pads	RS 19-2.15.4.5	1	
174	Equal Extension	RS 19-2.15.4	1	
175	Sheaves	RS 19-2.15.4.3	1	
176	Structure/Welds		1	
177	Boom Hinge Pin	RS 19-2.15.4.4	1	
178	Boom Head Section	RS 19-2.15.4.1	1	
179	Wire Rope Retainer	**B30.5-1.7.4(b)	1	
180	Other			
181	Other			
10r	Solid Jib Extension (Manual Section)			
182	Alignment	RS 19-2.15.4.1	1	
183	Locking Devices	RS 19-2.15.4.4	1	
184	Structure/Welds		1	
185	Other			
10s	Wire Rope			
186	Boom Hoist			
186a	Size/Construction: _____ inch	RS 19-2.18.2.3	1	HYD
186b	Damage	RS 19-2.18.2	1	
186c	Lubrication	RS 19-2.18.3.5	1	
186d	Other			
187	Main Hoist			
187a	Size/Construction: 7/4 inch	RS 19-2.18.2.3	1	
187b	Damage	RS 19-2.18.2	1	
187c	Lubrication	RS 19-2.18.3.5	1	
187d	Other			
188	Auxiliary Hoist/Whip Line			
188a	Size/Construction: 7/4 inch	RS 19-2.18.2.3	1	AUX
188b	Damage	RS 19-2.18.2	1	
188c	Lubrication	RS 19-2.18.3.5	1	
188d	Other			
189	Boom Pendants			
189a	Size/Construction: _____ inch	RS 19-2.18.2.3	1	
189b	Damage	RS 19-2.18.2	1	
189c	Lubrication	RS 19-2.18.3.5	1	
189d	Other			
190	Jib Pendants			
190a	Size/Construction: _____ inch	RS 19-2.18.2.3	1	
190b	Damage	RS 19-2.18.2	1	
190c	Lubrication	RS 19-2.18.3.5	1	
190d	Other			
10t	Hooks, Blocks, & Balls			
191	Main Block & Hook			
191a	Weight & Capacity Label	B30.5-1.7.6	1	
191b	Sheaves	RS 19-2.15.4.3	1	
191c	Safety Latches	B30.5-1.7.6	1	
191d	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	
191e	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	
191f	Wedge Socket End Fitting	**B30.5-1.7.3.(c)	1	
191g	Non-Destructive Test Results	RS 19-2.15.4.9	1	
191h	Other			
192	Ball & Hook			
192a	Weight & Capacity Label	B30.5-1.7.6	1	
192b	Safety Latches	B30.5-1.7.6	1	
192c	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	
192d	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	
192e	Wedge Socket End Fitting	**B30.5-1.7.3.(c)	1	
192f	Non-Destructive Test Results	RS 19-2.15.4.9	1	
192g	Other			

11. Equipment Characteristics

Boom I.D. No.	Length	Jib I.D. No.	Length	Mast I.D. No.	Length
4 piece solid		J1	29'		
telescopic		Tag 4941			
		Jib ext	5'		
Total Length	~~108~~ 105'	Total Length	34'	Total Length	
Cords: Tubular Angular		Cords: Tubular Angular		Cords: Tubular Angular	
Lacings: Tubular Angular		Lacings: Tubular Angular		Lacings: Tubular Angular	

Assembled Notes:

Unassembled Notes:

*Status: (S) Satisfactory (U) Deficiencies (IS) Parts hidden however functional (-) Not Applicable (SWO) Stop Work Order

References: OSHA 29CFR 1926.550 & 1910.180; **ASME B30.5 (1968); ASME B30.5 (2004); 2008 NYC Building Code & RS 19-2 (2006); RCNY

***Consult operator's manual for kick-out angle for boom

12. Summary (RS 19-2-10.0 Annual Renewal of Certificate of Operation, renewal shall be accompanied by inspection and maintenance records in accordance with 15.1 and 15.1)

Item Numbers	Deficiencies	Date Corrected
	No deficiencies found at time of inspection.	

13. Remarks

Cored chart will show 29' on jib.

14. Inspector's & Supervising Inspector's Endorsement

Name	Signature of Inspector	Date
John Moran	[signature]	01/29/10
Name	Signature of Supervising Inspector	Date

Crane (3956)

NYC Dept. of Buildings Cranes & Derricks Division - 280 Broadway, Room 501, New York, NY 10007
Tel: (212) 566-4696 Fax: (212) 566-5871 E-mail: candd@buildings.nyc.gov

MOBILE ON-SITE AND ANNUAL INSPECTION CHECKLIST

1. Inspection Information

Date of Inspection: 2/2/11 Site Location: World Trade Center Boro: Manhattan CN: Port Authority

Inspector Name: Joseph Miller Badge No.: 2277

Type of Inspection: (Annual) Re-Inspection On-Site Audit Patrol Sweep Chief Special SWO Lift# Complaint#

Inspection Results: (No Deficiencies) Issue CD Re-Inspect SWO Issued # Number of Violations Issued

2. Crane Data

Make: Grove Model: 600E Serial No.: 228737 Year: 2008

CD: 3951 Expiration Date: 2/11 Max Capacity: 50 ton Picture Taken: (Y) N

Crane Types: (BT) Boom Truck (CC) Crawler Crane (D) Derrick (MC) Mobile Crane (MMC) Multi-Station Mobile Crane (MT) Mobile Truck Tower Crane (P) Pile Driver

3. Crane Owner Information

Crane Owner Name: Callahan Construction Company Contact Name: Reagan M. Callahan Telephone: 201-327-1060

4. User Information

Company Name: Contact Name: Telephone:

5. Rigger Information

Last Name: First Name: MI:

Licence No.: Expiration Date: Type: Master Tower Special Master Hanger Special Hanger

6. Crane Safety Coordinator Information

Last Name: First Name: MI:

Licence No.: Expiration Date: On Site: Y N NA

7. Hoist Machine Operator Information

Last Name: Walsh First Name: Steven MI: A

Licence No.: 9192 Expiration Date: 2012 Type: (Class A) Class B Class C1 Class C2 Class C3

8. General Contractor/Site Safety Manager Information

Company Name: Contact Name: Telephone:

Licence No.: Expiration Date: General Contractor Site Safety Manager

9. ON-SITE INSPECTION

Item No.	Inspected Item	Code Section	SWO #1	Status*
9a	**Filing Application & Plan Data**			
1	Approved Permits & Plans on site	BC3319.4 & .5	1	
2	Supporting Soil/Pad/Mat	RS 19-2.8.1.1 & 8.4	1	
3	Crane set-up conformity	RS 19-2.8.0	1	
4	CN - On-Site Sign-off (CD-4)	RS 19-2.8.1	1	
5	CD - Approved CD (CD-2)	BC3319.4 & .5	1	
9b	**Historical Data**			
6	Daily/Montly Inspection Records	**B30.5-2.1.5	2	
7	Signed & Dated	**B30.5-2.1.5	2	
9c	**General**			
8	Main Frame Member	RS 19-2.15.4.1	2	
9	see section 10b page 2	Items 5, 7, 8 & 10	2	
9d	**Outriggers**			
10	see section 10f page 2	Items 48 thru 56	1	
9e	**Crawler Assembly**			
11	see section 10g page 2	Items 57 thru 60	1	
9f	**Operator's Cab & Station**			
12	see section 10h page 2	Items 64, 72, 77, 79, 80, 82-84		
9g	**Load Chart**			
13	see section 10i psge 2	Items 86 & 88	1	

9 ON-SITE INSPECTION CONTINUED

Item No.	Inspected Item	Code Section	SWO #1	Status*
9h	**Safety Devices/Operational Aids**			
14	see section 10j page 2	Items 92-100, 102 & 103		
9i	**Power Plant - Upper**			
15	Excess Smoke	RS 19-2.15.4.7	2	
16	see section 10k page 2	Items 105, 106 & 108	2	
9j	**Rotating Upper Superstructure**			
17	Turntable	RS 19-2.15.4.4	1	
18	Pumps/Motors/Valves/Lines/Tubes	B30.5-2.1.3(l)(m)(n)	1	
19	Ring Gear/Pinion Gear/Rollers	RS 19-2.15.4.4	1	
20	Main Hoist and Rope	see sections 9f & 9l	1	
21	Auxiliary Hoist and Rope	see sections 9f & 9l	1	
22	Boom Hoist and Rope	see sections 9f & 9l	1	
23	Luffing Boom Hoist and Rope		1	
9k	**Lattice Boom**			
24	see section 10o page 3	Items 148, 152-154	1	
9l	**Telescopic Boom**			
25	see section 10q page 3	Items 168, 170-172	1	
9m	**Wire Rope, Hook, Block & Ball**			
26	see section 10s page 3	Items 186-190	1	
27	see section 10t page 3	Items 191/192a-c & f	1	

10 ANNUAL INSPECTION				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10a	Historical Data			
1	Monthly Inspection Records	**B30.5-2.1.5	2	S
2	Maintenance Records	RS 19-2.17.1.1	2	S
3	Repair/Modification Records	RS 19-2.17.3.4	2	S
4	Other			–
10b	General			
5	Sheet Metal	**B30.5-1.2.1(a)	2	S
6	Guards/Covers	1926.550(a)(8) & (10)	2	S
7	Internal/External Lights	1926.601(2)(I) & (II)	2	S
8	Housekeeping	RS 19-2.26.0	2	S
9	Safety/Warning Decals & Labels	1926.550(a)(2)	2	S
10	Hand Signal Chart	1926.550(a)(4)	2	S
11	Paint Condition/Corrosion Control	RS 19-2.15.4.1	2	S
12	Other			–
10c	Drivers Cab/Station			
13	Access - Grab Rails/Steps	1926.550(a)(13)(I) & (II)	2	S
14	Glass	1926.550(a)(12)	1	S
15	Windshield Wiper(s)	1926.601(b)(2)(I) & (II)	2	S
16	Door(s) Restraint(s)	**B30.5-1.8.1.(c)	2	S
17	Mirrors	1926.601(b)(4)	2	S
18	Fire Extinguisher	RS 19-2.26.0	2	S
19	Seat(s) Restraint(s)	1926.601(b)(8)	2	S
20	Seat Belt(s)	1926.601(b)(9)	2	S
21	Parking Brake	1926.601(b)(1)	2	S
22	Air Pressure	RS 19-2.15.3.4	2	–
23	Controls Identified	1926.550(a)(2)	2	S
24	Instruments/Gauges	RS 19-2.15.4.6	2	S
25	Electrical Switches/Functions	RS 19-2.15.3	2	S
26	Horn	1926.601(b)(3)	2	S
27	Ligths	1926.550(a)(1)	2	S
28	Steering	RS 19-2.15.4.10	2	S
29	Engine Clutch	**B30.5-1.6.4	2	S
30	Accelerator	**B30.5-1.6.3(b)	2	S
31	Brake	RS 19-2.15.4.10	2	S
32	Other			–
10d	Cab/Power Plant - Lower			
33	Performance	RS 19-2.15.4.7	2	S
34	Exh System/Guards & Insulators	1926.550(a)(10)	2	S
35	Belts/Hoses	RS 19-2.15.4	2	S
36	Guard/Cover/Rotat & Recip Parts	1926.550(a)(8)	2	S
37	Other			–
10e	Carrier			
38	Transmission	RS 19-2.15.4	2	S
39	Drive Line	RS 19-2.15.4	2	S
40	Tire/Air Pressure/Wheels	RS 19-2.15.4.11	2	S
41	Main Frame Members	RS 19-2.15.4.1	2	S
42	Hydraulic Hoses/Tubing/Fitting	B30.5-2.1.3(I)	1	S
43	Hydraulic Fluid Level	B30.5-2.1.3(h)	1	S
44	Anti-Skid Surface	1926.550(a)(13)(iii)	2	S
45	Front Bumper Counterweight	RS 19-2.15.4(2&4)	2	–
46	Backup Alarm	1926.601(b)(4)(I)	2	S
47	Other			–
10f	Outriggers			
48	Boxes	RS 19-2.15.4.1	1	S
49	Beams	RS 19-2.15.4.1	1	S
50	Cylinders	RS 19-2.15.4	1	S
51	Floats/Pads	**B30.5-1.9.3(d)	1	S
52	Hydraulic Hoses/Tubes/Fittings	RS 19-2.15.3.4	1	S
53	Holding Valves	**B30.5-1.9.3(b)	1	S
54	Position Locks	RS 19-2.15.4.4	1	S
55	Warning Signs	1926.550(a)(2)	1	S
56	Blocking/Cribbing		1	S

10 ANNUAL INSPECTION CONTINUED				
Item No.	Inspected Item	Code Section	SWO #1	Status*
10g	Chassis Assembly			
57	Car Body/Side Frames	**B30.5-1.8	1	
58	Chain - Condition/Adjustment	RS 19-2.15.4.8	1a	
59	Sprockets/Idlers/Rollers	RS 19-2.15.4	1	
60	Track Pads/Pins	RS 19-2.15.4	1	
61	Travel Locks	**B30.5-1.8.3(a)	1	
62	Steering Clutches	**B30.5-1.5.2(b)	1	
63	Other			
10h	Operator Cab/Station			
64	Grab Rails/Steps/Platforms	1926.550(a)(13)(I & III)	2	S
65	Anti-Skid Surface	1926.550(a)(13)(III)	2	S
66	Glass	1926.550(a)(12)	1	S
67	Windshield Wiper(s)	1926.601(2)(I) & (II)	1	S
68	Door Restraint	**B30.5-1.8.1.(c)	2	S
69	Fire Extinguisher	RS 19-2.26.0	2	S
70	Mirrors	1926.601(b)(4)	2	S
71	Seat Restraint	1926.601(b)(8)	2	S
72	Seat Belt/If required	1926.601(b)(9)	2	S
73	Operator's Manual	1926.550(a)(1)	1	S
74	Operating Instructions/Decals	1926.550(a)(2)	2	S
75	Electrocution Warning Sign - Inside	1926.550(a)(2)	2	S
76	Hand Signal Chart	1926.550(a)(4)	1	S
77	Swing Brake/House Lock	**B30.5-1.4.2(a)/(b)	1	S
78	Positive Swing Lock	**B30.5-1.4.2(b)	1	S
79	Controls - Forces/Movements	**B30.5-1.6.2	1	S
80	Air Pressure	RS 19-2.15.3.4	2	S
81	Foot Brakes - Latches/Linkage	**B30.5-1.3.2(b)(2)	1	S
82	Power Controlled Lowering	**B30.5-1.3.2(c)	1	S
83	Engine Clutch	**B30.5-1.6.4	2	S
84	Accelerator/Throttle Control	**B30.5-1.6.3(b)	2	S
85	Other			–
10i	Load Chart			
86	Per Configuration	1926.550(a)(1 & 2)	1	S
87	Durable	**B30.5-1.1.3	1	S
88	Legible	**B30.5-1.1.3	1	S
89	Visible from Operator's Station	**B30.5-1.1.3	1	S
90	Secured	**B30.5-1.1.3	2	S
91	Other			–
10j	Safety Devices/Operational Aids			
92	Warning Decals	1926.550(a)(2)	1	S
93	Boom Angle Indicator	RS 19-2.19.1.3	1	S
94	Main Drum Rotation Indicator	RS 19-2.19.3(e)	1	S
95	Auxiliary Drum Rotation Indicator	RS 19-2.19.3(e)	1	
96	Load Moment Indicator	**B30.5-2.1.2(a)(3)	1	S
97	Load Weight Indicator	RS 19-2.19.1	1	S
98	Radius Indicator	RS 19-2.19.1.3	1	S
99	Crane Level Indicator	RS 19-2.19.3(d)	1	S
100	Anti-Two Block Device	RS 19-2.19.2	1	S
101	Two-Block Warning Device	RS 19-2.19.2	1	S
102	Boom Hoist Shutoff***	RS 19-2.19.3(c)	1	S
103	Boom Hoist Ratchet and Pawl	**B30.5-1.3.1(c)	1	–
104	Other			–
10k	Power Plant - Upper			
105	Performance	RS 19-2.15.4.7	2	S
106	Exh System Guards & Insulators	1926.550(a)(10)	2	S
107	Belts/Hoses	B30.5-2.1.3	2	S
108	Guard Cover/Rotat & Recip Parts	1926.550(a)(8)	2	S
109	Other			–
10l	Rotating Upper Superstructure			
110	Turntable/Bearing	RS 19-2.15.4.4	1	S
111	Turntable - Rollers/Roller Path	RS 19-2.15.4.4	1	S
112	Ring Gear/Pinion Gear	RS 19-2.15.4.4	1	S

9. ANNUAL INSPECTION CONTINUED

Item No.	Inspected Item	Code Section	SWO #1	Status*
9d	**Rotating Upper Structure/Cab Continued**			
113	Hydraulic Pump(s)	B30.5-2.1.3(m)	1	S
114	Hydraulic Pressure	B30.5-1.1.3(n)(6)	1	S
115	Electrical Wiring	RS 19-2.15.3.7	1	S
116	Main Hoist - Clutches/Brakes	**B30.5-1.3.2(a)(1)	1	S
117	Main Hoist - Wrapping On Drum	RS 19-2.15.3.6	1	S
118	Main Hoist - Min Rope Wraps	**B30.5-1.3.2(a)(2)a	1	S
119	Auxiliary Hoist - Clutches/Brakes	B30.5-1.3.2.1	1	
120	Auxiliary Hoist - Wrap On Drum	RS 19-2.15.3.6	1	
121	Auxiliary Hoist - Min Rope Wraps	**B30.5-1.3.2(a)(2)a	1	
122	Boom Hoist - Clutches/Brakes	**B30.5-1.3.1(a)	1	N/A
123	Boom Hoist - Wrapping On Drum	RS 19-2.15.3.6	1	N/A
124	Boom Hoist - Min Rope Wraps	**B30.5-1.3.1(d)(1)	1	N/A
125	Boom Hoist - Gears/Shafts/etc...	RS 19-2.15.4.4	1	N/A
126	Swing System/Assembly	**B30.5-1.4	1	S
127	Hydraulic Motor/Valve/Line/etc...	B30.5-2.1.3	1	S
128	Drums/Flanges	RS 19-2.15.4.3	1	S
129	Clutch/Brake Protection	**B30.5-1.9.7	1	S
130	Torque Converter	**B30.5-1.5.1	1	
131	Anti-Skid Surface	1926.550(a)(13)(iii)	2	S
132	Steps/Hand Holds/Platforms	B30.5-1.8.3(b)	1	S
133	Access to Cab and Roof	B30.5-1.8.4	1	S
134	Air System - Compressor/Line/etc...	RS 19-2.15.3.4	1	
135	Counterweight Frame& Mounting	RS 19-2.15.4.(1 & 4)	1	S
136	Counterweight Warning Signs	1926.550(a)(2)	1	S
137	Electrocution Warning Sign Outside	1926.550(a)(2)	1	S
138	Other		1	
9e	**Boom Support System**			
139	Gantry/Mast	**B30.5-1.3.1	1	
140	Boom Stops	RS 19-2.19.3(c)	1	
141	Inner Ball	**B30.5-1.3.1	1	
142	Outer Ball/Equalizer	**B30.5-1.3.1	1	
143	Sheaves	RS 19-2.15.4.3	1	
144	Boom Hoist Reeving	RS 19-2.15.3.6	1	
145	Other			
9f	**Lattice Boom**			
146	Boom Section Identification			
147	Boom Section Sequence			
148	Boom Section Alignment	RS 19-2.15.4.1	1	
149	Warning Decals	1926.550(a)(2)	2	
150	Spreader Bar		1	
151	Sheaves	RS 19-2.15.4.3	1	
152	Hoist Line Dead End	B30.5-1.7.3	1	
153	Wire Rope Retainer(s)	B30.5-1.7.4(b)	1	
154	Boom Foot Pins/Keepers	RS 19-2.15.4.4	1	
155	Boom Head Section	RS 19-2.15.4.1	1	
156	Auxiliary Boom Head	RS 19-2.15.4.1	1	
157	Lattice Member	RS 19-2.15.4.1	1	
158	Cord Members	RS 19-2.15.4.1	1	
159	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	
160	Other			
9g	**Lattice Jib**			
161	Positive Stops	1926.550(b)(1)	1	
162	Sheave(s)	RS 19-2.15.4.3	1	
163	Wire Rope Retainer(s)	**B30.5-1.7.4(b)	1	
164	Lattice Member	RS 19-2.15.4.1	1	
165	Cord Members	RS 19-2.15.4.1	1	
166	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	
167	Other			
9h	**Telescopic Boom**			
168	Lift Cylinder(s)	B30.5-2.1.3(o)	1	N/A
169	Telescoping Cylinder(s)	B30.5-2.1.3(o)	1	S

9. ANNUAL INSPECTION CONTINUED

Item No.	Inspected Item	Code Section	SWO #1	Status*
9h	**Telescopic Boom Continued**			
170	Hydraulic Hoses/Tubing Fittings	B30.5-2.1.3(l)	1	S
171	Holding Devices	B30.5-2.1.3(n)	1	S
172	Boom Section Alignment	RS 19-2.15.4.1	1	S
173	Wear Pads	RS 19-2.15.4.5	1	S
174	Equal Extension	RS 19-2.15.4	1	S
175	Sheaves	RS 19-2.15.4.3	1	S
176	Structure/Welds		1	S
177	Boom Hinge Pin	RS 19-2.15.4.4	1	S
178	Boom Head Section	RS 19-2.15.4.1	1	S
179	Wire Rope Retainer	**B30.5-1.7.4(b)	1	S
180	Other			
181	Other			
9i	**Solid Jib Extension Manual Sections**			
182	Alignment	RS 19-2.15.4.1	1	
183	Locking Devices	RS 19-2.15.4.4	1	
184	Structure/Welds		1	
185	Other			
9j	**Boom Hoist**			
186a	Size/Construction: 3/4 " inch	RS 19-2.18.2.3	1	N/A
186b	Damage	RS 19-2.18.2	1	N/A
186c	Lubrication	RS 19-2.18.3.5	1	N/A
186d	Other			
9k	**Main Hoist**			
187a	Size/Construction: 3/4 " inch	RS 19-2.18.2.3	1	S
187b	Damage	RS 19-2.18.2	1	S
187c	Lubrication	RS 19-2.18.3.5	1	S
187d	Other			
9l	**Auxiliary Hoist/Whip Line**			
188a	Size/Construction: 3/4 " inch	RS 19-2.18.2.3	1	N/A
188b	Damage	RS 19-2.18.2	1	N/A
188c	Lubrication	RS 19-2.18.3.5	1	N/A
188d	Other			
9m	**Boom Pendants**			
189a	Size/Construction: _____ inch	RS 19-2.18.2.3	1	
189b	Damage	RS 19-2.18.2	1	
189c	Lubrication	RS 19-2.18.3.5	1	
189d	Other			
9n	**Jib Pendants**			
190a	Size/Construction: _____ inch	RS 19-2.18.2.3	1	
190b	Damage	RS 19-2.18.2	1	
190c	Lubrication	RS 19-2.18.3.5	1	
190d	Other			
9o	**Hooks, Blocks, & Balls**			
191	**Main Block & Hook**			
191a	Weight & Capacity Label	B30.5-1.7.6	1	S
191b	Sheaves	RS 19-2.15.4.3	1	S
191c	Safety Latches	B30.5-1.7.6	1	
191d	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	
191e	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	
191f	Wedge Socket End Fitting	**B30.5-1.7.3.(c)	1	
191g	Non-Destructive Test Results	RS 19-2.15.4.9	1	
191h	Other			
192	**Ball & Hook**			
192a	Weight & Capacity Label	B30.5-1.7.6	1	N/A
192b	Safety Latches	B30.5-1.7.6	1	S
192c	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	S
192d	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	S
192e	Wedge Socket End Fitting	**B30.5-1.7.3.(c)	1	S
192f	Non-Destructive Test Results	RS 19-2.15.4.9	1	
192g	Other			

11. Equipment Characteristics

Boom I.D. No.	Length	Jib I.D. No.	Length	Mast I.D. No.	Length
4 section hydraulic	105'				
telescopic boom		Jib on side			
		no #'s			
Total Length	105'	Total Length		Total Length	
Cords: Tubular Angular		Cords: Tubular Angular		Cords: Tubular Angular	
Lacings: Tubular Angular		Lacings: Tubular Angular		Lacings: Tubular Angular	

Assembled Notes:

Unassembled Notes:

*Status: (S) Satisfactory (U) Deficiencies (IS) Parts hidden however functional (-) Not Applicable (SWO) Stop Work Order

References: OSHA 29CFR 1926.550 & 1910.180; **ASME B30.5 (1968); ASME B30.5 (2004); 2008 NYC Building Code & RS 19-2 (2006); RCNY

***Consult operator's manual for kick-out angle for boom

12. Summary (RS 19-2 (00 Annual Renewal of Certificate of Operation's renewal shall be accompanied by inspection and maintenance records in accordance with 15.1 and 15.1)

Item Numbers	Deficiencies	Date Corrected

13. Remarks

Crane inspected with 1 part line

Ball weight 354 lbs. 83 TONS capacity

mag report by Certified Testing Laboratories dated 5/5/11

No deficiencies found on crane at time of inspection

Submit 2 new CP's with no Jib to Cranes & Derricks

14. Inspector's & Supervising Inspector's Endorsement

Name	Signature of Inspector	Date
Joseph Hiller	[signature]	2/2/11
Name	Signature of Supervising Inspector	Date

11. Equipment Characteristics

Boom I.D. No.	Length	Jib I.D. No.	Length	Mast I.D. No.	Length
4 section hydraulic	105'				
telescopic boom		Jib on side			
		no #'s			
		J1-0616	29'		
		J20617	5'		
		P. Daddaccio			
		2/4/11			
Total Length	105'	Total Length	34'	Total Length	
Cords: Tubular Angular		Cords: Tubular Angular		Cords: Tubular Angular	
Lacings: Tubular Angular		Lacings: Tubular Angular		Lacings: Tubular Angular	

Assembled Notes:

Unassembled Notes:

*Status: (S) Satisfactory (U) Deficiencies (IS) Parts hidden however functional (-) Not Applicable (SWO) Stop Work Order

References: OSHA 29CFR 1926.550 & 1910.180; **ASME B30.5 (1968); ASME B30.5 (2004); 2008 NYC Building Code & RS 19-2 (2006); RCNY

***Consult operator's manual for kick-out angle for boom

12. Summary (RS 19-2 1.0 Annual Renewal of Certificate of Operation, renewal shall be accompanied by inspection and maintenance records in accordance with 1.1 and 1.2)

Item Numbers	Deficiencies	Date Corrected

13. Remarks

Crane inspected with 1 part line

Ball weight 354 lbs. 83 TONS capacity

Note OK TO USE Jib

mag report by Certified Testing Laboratories dated 5/5/11

P. Daddaccio 2/4/11

No deficiencies found on crane at time of inspection

Submit 2 new CD's with no Jib to Cranes & Derricks

14. Inspector's & Supervising Inspector's Endorsement

Name	Signature of Inspector	Date
Joseph Hiller	[signature]	2/25/11
Name	Signature of Supervising Inspector	Date

NYC Dept. of Buildings Cranes & Derricks Division - 280 Broadway, Room 501, New York, NY 10007
Tel: (212) 566-4698 Fax: (212) 566-5871 E-mail: candd@buildings.nyc.gov

MOBILE ON-SITE AND ANNUAL INSPECTION CHECKLIST

Date of Inspection: 09/26/2009 Site Location: 1 W.T.C. Boro: Manhattan CN: 5/28/09
Inspector Name: [illegible] Badge No.: 2439
Type of Inspection: Annual Re-inspection On-Site Audit Patrol Sweep Chief Special SWO Lift# Complaint#
Inspection Results: No Deficiencies Issue CD Re-Inspect SWO Issued # Number of Violations Issued

Make: Manitowoc Model: 16000 Serial No.: 1600-1093 Year: 2009
CD: 4122 Expiration Date: Max Capacity: 440 (tons) Picture Taken: Y N
Crane Types: (BT) Boom Truck (CC) Crawler Crane (D) Derrick (MC) Mobile Crane (MMC) Multi-Station Mobile Crane (MT) Mobile Truck Tower Crane (P) Pile Driver

Crane Owner Name: N.Y. Crane & Equipment Contact Name: James Flowers Telephone: 201-254-9200

Company Name: ECM Erectors Contact Name: Kevin Murphy Telephone:

Last Name: // First Name: MI:
Licence No.: Expiration Date: N/A Type: Master Tower Special Master Hanger Special Hanger

Last Name: Murphy First Name: Kevin MI:
Licence No.: Expiration Date: On Site: Y N NA

Last Name: McPaul First Name: Kevin MI:
Licence No.: 5779 Expiration Date: 10/31/11 Type: Class A Class B Class C1 Class C2 Class C3

Company Name: Contact Name: Telephone:
Licence No.: Expiration Date: N/A General Contractor Site Safety Manager

Item No.	Inspected Item	Code Section	SWO #1	Status*
	[illegible]			
1	Approved Permits & Plans on site	BC3319.4 & .5	1	
2	Supporting Soil/Pad/Mat	RS 19-2.8.1.1 & 8.4	1	
3	Crane set-up conformity	RS 19-2.8.0	1	
4	CN - On-Site Sign-off (CD-4)	RS 19-2.8.1	1	
5	CD - Approved CD (CD-2)	BC3319.4 & .5	1	
	[illegible]			
6	Daily/Montly Inspection Records	**B30.5-2.1.5	2	
7	Signed & Dated	**B30.5-2.1.5	2	
	[illegible]			
8	Main Frame Member	RS 19-2.15.4.1	2	
9	see section 10b page 2	Items 5, 7, 8 & 10	2	
	[illegible]			
10	see section 10f page 2	Items 48 thru 56	1	
	[illegible]			
11	see section 10g page 2	Items 57 thru 60	1	
	[illegible]			
12	see section 10h page 2	Items 64, 72, 77, 79, 80, 82-84		
	[illegible]			
13	see section 10i page 2	Items 86 & 88	1	

Item No.	Inspected Item	Code Section	SWO #1	Status*
	[illegible]			
14	see section 10j page 2	Items 92-100, 102 & 103		
	[illegible]			
15	Excess Smoke	RS 19-2.15.4.7	2	
16	see section 10k page 2	Items 105, 106 & 108	2	
	[illegible]			
17	Turntable	RS 19-2.15.4.4	1	
18	Pumps/Motors/Valves/Lines/Tubes	B30.5-2.1.3(l)(m)(n)	1	
19	Ring Gear/Pinion Gear/Rollers	RS 19-2.15.4.4	1	
20	Main Hoist and Rope	see sections 9f & 9i	1	
21	Auxiliary Hoist and Rope	see sections 9f & 9i	1	
22	Boom Hoist and Rope	see sections 9f & 9i	1	
23	Luffing Boom Hoist and Rope		1	
	[illegible]			
24	see section 10o page 3	Items 148, 152-154	1	
	[illegible]			
25	see section 10q page 3	Items 168, 170-172	1	
	[illegible]			
26	see section 10s page 3	Items 186-190	1	
27	see section 10t page 3	Items 191/192a-c & f	1	

Item No.	Inspected Item	Code Section	SWO #1	Status*
1	Monthly Inspection Records	**B30.5-2.1.8	2	
2	Maintenance Records	RS 19-2.17.1.1	2	
3	Repair/Modification Records	RS 19-2.17.3.4	2	
4	Other			
5	Sheet Metal	**B30.5-1.2.1(a)	2	
6	Guards/Covers	1926.550(a)(8) & (10)	2	
7	Internal/External Lights	1926.601(2)(i) & (ii)	2	
8	Housekeeping	RS 19-2.26.6	2	
9	Safety/Warning Decals & Labels	1926.550(a)(2)	2	
10	Hand Signal Chart	1926.550(a)(4)	2	
11	Paint Condition/Corrosion Control	RS 19-2.15.4.1	2	
12	Other			
13	Access - Grab Rails/Steps	1926.550(a)(13)(i) & (ii)	2	
14	Glass	1926.550(a)(12)	1	
15	Windshield Wiper(s)	1926.601(b)(2)(i) & (ii)	2	
16	Door(s) Restraint(s)	**B30.5-1.6.1.(c)	2	
17	Mirrors	1926.601(b)(4)	2	
18	Fire Extinguisher	RS 19-2.26.6	2	
19	Seat(s) Restraint(s)	1926.601(b)(9)	2	
20	Seat Belt(s)	1926.601(b)(9)	2	
21	Parking Brake	1926.601(b)(1)	2	
22	Air Pressure	RS 19-2.15.3.4	2	
23	Controls Identified	1926.550(a)(2)	2	
24	Instruments/Gauges	RS 19-2.15.4.6	2	
25	Electrical Switches/Functions	RS 19-2.15.3	2	
26	Horn	1926.601(b)(3)	2	
27	Ligths	1926.550(a)(1)	2	
28	Steering	RS 19-2.15.4.10	2	
29	Engine Clutch	**B30.5-1.6.4	2	
30	Accelerator	**B30.5-1.6.3(b)	2	
31	Brake	RS 19-2.15.4.10	2	
32	Other			
33	Performance	RS 19-2.15.4.7	2	
34	Exh System/Guards & Insulators	1926.550(a)(10)	2	
35	Belts/Hoses	RS 19-2.15.4	2	
36	Guard/Cover/Rotat & Recip Parts	1926.550(a)(8)	2	
37	Other			
38	Transmission	RS 19-2.15.4	2	
39	Drive Line	RS 19-2.15.4	2	
40	Tire/Air Pressure/Wheels	RS 19-2.15.4.11	2	
41	Main Frame Members	RS 19-2.15.4.1	2	
42	Hydraulic Hoses/Tubing/Fitting	B30.5-2.1.3(f)	1	
43	Hydraulic Fluid Level	B30.5-2.1.3(h)	1	
44	Anti-Skid Surface	1926.550(a)(13)(iii)	2	
45	Front Bumper Counterweight	RS 19-2.15.4(2&4)	2	
46	Backup Alarm	1926.601(b)(4)(i)	2	
47	Other			
48	Boxes	RS 19-2.15.4.1	1	
49	Beams	RS 19-2.15.4.1	1	
50	Cylinders	RS 19-2.15.4	1	
51	Floats/Pads	**B30.5-1.9.3(d)	1	
52	Hydraulic Hoses/Tubes/Fittings	RS 19-2.15.3.4	1	
53	Holding Valves	**B30.5-1.9.3(b)	1	
54	Position Locks	RS 19-2.15.4.4	1	
55	Warning Signs	1926.550(a)(2)	1	
56	Blocking/Cribbing		1	

Item No.	Inspected Item	Code Section	SWO #1	Status*
57	Car Body/Side Frames	**B30.5-1.8	1	
58	Chain - Condition/Adjustment	RS 19-2.15.4.6	1	
59	Sprockets/Idlers/Rollers	RS 19-2.15.4	1	
60	Track Pads/Pins	RS 19-2.15.4	1	
61	Travel Locks	**B30.5-1.5.3(a)	1	
62	Steering Clutches	**B30.5-1.5.2(b)	1	
63	Other			
64	Grab Rails/Steps/Platforms	1926.550(a)(13)(i & ii)	2	
65	Anti-Skid Surface	1926.550(a)(13)(iii)	2	
66	Glass	1926.550(a)(12)	1	
67	Windshield Wiper(s)	1926.601(2)(i) & (ii)	1	
68	Door Restraint	**B30.5-1.6.1.(c)	2	
69	Fire Extinguisher	RS 19-2.26.6	2	
70	Mirrors	1926.601(b)(4)	2	
71	Seat Restraint	1926.601(b)(9)	2	
72	Seat Belt(if required	1926.601(b)(9)	2	
73	Operator's Manual	1926.550(a)(1)	1	
74	Operating Instructions/Decals	1926.550(a)(2)	2	
75	Electrocution Warning Sign - Inside	1926.550(a)(2)	2	
76	Hand Signal Chart	1926.550(a)(4)	1	
77	Swing Brake/House Lock	**B30.5-1.4.2(a)/(b)	1	
78	Positive Swing Lock	**B30.5-1.4.2(b)	1	
79	Controls - Forces/Movements	**B30.5-1.6.2	1	
80	Air Pressure	RS 19-2.15.3.4	2	
81	Foot Brakes - Latches/Linkage	**B30.5-1.3.2(b)(2)	1	
82	Power Controlled Lowering	**B30.5-1.3.2(a)	1	
83	Engine Clutch	**B30.5-1.6.4	2	
84	Accelerator/Throttle Control	**B30.5-1.6.3(b)	2	
85	Other			
86	Per Configuration	1926.550(a)(1 & 2)	1	
87	Durable	**B30.5-1.1.3	1	
88	Legible	**B30.5-1.1.3	1	
89	Visible from Operator's Station	**B30.5-1.1.3	1	
90	Secured	**B30.5-1.1.3	2	
91	Other			
92	Warning Decals	1926.550(a)(2)	1	
93	Boom Angle Indicator	RS 19-2.19.1.3	1	
94	Main Drum Rotation Indicator	RS 19-2.19.3(e)	1	
95	Auxiliary Drum Rotation Indicator	RS 19-2.19.3(e)	1	
96	Load Moment Indicator	**B30.5-2.1.2(a)(3)	1	
97	Load Weight Indicator	RS 19-2.19.1	1	
98	Radius Indicator	RS 19-2.19.1.3	1	
99	Crane Level Indicator	RS 19-2.19.3(d)	1	
100	Anti-Two Block Device	RS 19-2.19.2	1	
101	Two-Block Warning Device	RS 19-2.19.2	1	
102	Boom Hoist Shutoff**	RS 19-2.19.3(c)	1	
103	Boom Hoist Ratchet and Pawl	**B30.5-1.3.1(c)	1	
104	Other			
105	Performance	RS 19-2.15.4.7	2	
106	Exh System Guards & Insulators	1926.550(a)(10)	2	
107	Belts/Hoses	B30.5-2.1.3	2	
108	Guard Cover/Rotat & Recip Parts	1926.550(a)(8)	2	
109	Other			
110	Turntable/Bearing	RS 19-2.15.4.4	1	
111	Turntable - Rollers/Roller Path	RS 19-2.15.4.4	1	
112	Ring Gear/Pinion Gear	RS 19-2.15.4.4	1	

No.	Inspected Item	Code Section	SWO #1	Status*
Lattice Boom Sections				
113	Hydraulic Pump(s)	B30.5-2.1.3(m)	1	
114	Hydraulic Pressure	B30.5-1.1.3(n)(6)	1	
115	Electrical Wiring	RS 19-2.15.3.7	1	
116	Main Hoist - Clutches/Brakes	**B30.5-1.3.2(a)(1)	1	
117	Main Hoist - Wrapping On Drum	RS 19-2 15.3.6	1	
118	Main Hoist - Min Rope Wraps	**B30.5-1 3.2(a)(2)b	1	
119	Auxiliary Hoist - Clutches/Brakes	B30.5-1 3.2.1	1	
120	Auxiliary Hoist - Wrap On Drum	RS 19-2.15.3.6	1	
121	Auxiliary Hoist - Min Rope Wraps	**B30.5-1.3.2(a)(2)b	1	
122	Boom Hoist - Clutches/Brakes	**B30.5-1.3.1(a)	1	
123	Boom Hoist - Wrapping On Drum	RS 19-2.15.3.6	1	
124	Boom Hoist - Min Rope Wraps	**B30.5-1.3.1(d)(1)	1	
126	Boom Hoist - Gears/Shafts/etc...	RS 19-2.15.4.4	1	
126	Swing System/Assembly	**B30.5-1.4	1	
127	Hydraulic Motor/Valve/Line/etc...	B30.5-2.1.3	1	
128	Drums/Flanges	RS 19-2.15.4.3	1	
129	Clutch/Brake Protection	**B30.5-1.3.7	1	
130	Torque Converter	**B30.5-1.6.4	1	
131	Anti-Skid Surface	1926.550(g)(13)(iii)	2	
132	Steps/Hand Holds/Platforms	B30.5-1.8.3(b)	1	
133	Access to Cab and Roof	B30.5-1.8.4	1	
134	Air System - Compressor/Line/etc...	RS 19-2.15.3.4	1	
135	Counterweight Frame& Mounting	RS 19-2.15.4.(1 & 4)	1	
136	Counterweight Warning Signs	1926.550(a)(2)	1	
137	Electrocution Warning Sign Outside	1926.550(a)(2)	1	
138	Other		1	
Gantry & Boom Support System				
139	Gantry/Mast	**B30.5-1.3.1	1	
140	Boom Stops	RS 19-2.15.3(c)	1	
141	Inner Bail	**B30.5-1.3.1	1	
142	Outer Bail/Equalizer	**B30.5-1.3.1	1	
143	Sheaves	RS 19-2.15.4.3	1	
144	Boom Hoist Reeving	RS 19-2.19.3.6	1	
145	Other			
Lattice Boom				
146	Boom Section Identification			
147	Boom Section Sequence			
148	Boom Section Alignment	RS 19-2.15.4.1	1	
149	Warning Decals	1926.550(a)(2)	2	
150	Spreader Bar			
151	Sheaves	RS 19-2.15.4.3	1	
152	Hoist Line Dead End	B30.5-1.7.3	1	
153	Wire Rope Retainer(s)	B30.5-1.7.4(b)	1	
154	Boom Foot Pins/Keepers	RS 19-2.15.4.4	1	
155	Boom Head Section	RS 19-2.15.4.1	1	
156	Auxiliary Boom Head	RS 19-2.15.4.1	1	
157	Lattice Member	RS 19-2.15.4.1	1	
158	Cord Members	RS 19-2.15.4.1	1	
159	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	
160	Other			
Lattice Jib				
161	Positive Stops	1926.550(b)(1)	1	
162	Sheave(s)	RS 19-2.15.4.3	1	
163	Wire Rope Retainer(s)	**B30.5-1.7.4(b)	1	
164	Lattice Member	RS 19-2.15.4.1	1	
165	Cord Members	RS 19-2.15.4.1	1	
166	End Connections/Pins	RS 19-2.15.4.(1 & 4)	1	
167	Other			
Telescopic Boom				
168	Lift Cylinder(s)	B30.5-2.1.3(o)	1	
169	Telescoping Cylinder(s)	B30.5-2.1.3(o)	1	

No.	Inspected Item	Code Section	SWO #1	Status*
Telescopic Boom Continued				
170	Hydraulic Hoses/Tubing Fittings	B30.5-2.1.3(l)	1	
171	Holding Devices	B30.5-2.1.3(n)	1	
172	Boom Section Alignment	RS 19-2.15.4.1	1	
173	Wear Pads	RS 19-2.15.4.5	1	
174	Equal Extension	RS 19-2.15.4	1	
175	Sheaves	RS 19-2.15.4.3	1	
176	Structure/Welds		1	
177	Boom Hinge Pin	RS 19-2.15.4.4	1	
178	Boom Head Section	RS 19-2.15.4.1	1	
179	Wire Rope Retainer	**B30.5-1.7.4(b)	1	
180	Other			
181	Other			
Fixed Jib & Manual Stowed				
182	Alignment	RS 19-2.15.4.1	1	
183	Locking Devices	RS 19-2.15.4.4	1	
184	Structure/Welds		1	
185	Other			
Wire Rope				
186a	Size/Construction: ____ inch	RS 19-2 18.2 3	1	
186b	Damage	RS 19-2.18.2	1	
186c	Lubrication	RS 19-2.18.3.5	1	
186d	Other			
Wire Rope				
187a	Size/Construction: ____ inch	RS 19-2.18.2.3	1	
187b	Damage	RS 19-2.18.2	1	
187c	Lubrication	RS 19-2.18.3.5	1	
187d	Other			
Wire Rope				
188a	Size/Construction: ____ inch	RS 19-2.18.2.3	1	
188b	Damage	RS 19-2.18.2	1	
188c	Lubrication	RS 19-2.18.3.5	1	
188d	Other			
Wire Rope				
189a	Size/Construction: ____ inch	RS 19-2.18.2.3	1	
189b	Damage	RS 19-2.18.2	1	
189c	Lubrication	RS 19-2.18.3.5	1	
189d	Other			
Wire Rope				
190a	Size/Construction: ____ inch	RS 19-2.18.2.3	1	
190b	Damage	RS 19-2.18.2	1	
190c	Lubrication	RS 19-2.18.3.5	1	
190d	Other			
Hook Block & Ball				
191	Main Block & Hook			
191a	Weight & Capacity Label	B30.5-1.7.6	1	
191b	Sheaves	RS 19-2.15.4.3	1	
191c	Safety Latches	B30.5-1.7.5	1	
191d	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	
191e	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	
191f	Wedge Socket End Fitting	**B30 5-1.7 3.(c)	1	
191g	Non-Destructive Test Results	RS 19-2.15.4.9	1	
191h	Other			
Hook Block & Ball				
192a	Weight & Capacity Label	B30.5-1.7.6	1	
192b	Safety Latches	B30.5-1.7.6	1	
192d	Wear, Twist & Throat Opening	B30.10-1.2.1.3	1	
192e	Bearing/Swivel	**B30.5-2.1.3(a)(4)	1	
192e	Wedge Socket End Fitting	**B30.5-1.7.3.(c)	1	
192f	Non-Destructive Test Results	RS 19-2.15 4.9	1	
192g	Other			

Boom I.D. No.	Length	Jib I.D. No.	Length	Mast I.D. No.	Length
	118'		157		
		LJ2-109.8 (Insert)	19'-7"		
		LJ2-109.8 (Insert)	24'-4"		
Total Length	118'-0"	Total Length	167'-	Total Length	
Cords: Tubular Angular		Cords: Tubular Angular		Cords: Tubular Angular	
Lacings: Tubular Angular		Lacings: Tubular Angular		Lacings: Tubular Angular	

Assembled Notes:

Unassembled Notes:

*Status: (S) Satisfactory (U) Deficiencies (IS) Parts hidden however functional (-) Not Applicable (SWO) Stop Work Order

References: OSHA 29CFR 1926.550 & 1910.180; **ASME B30.5 (1968); ASME B30.5 (2004); 2008 NYC Building Code & RS 19-2 (2006); RCNY

***Consult operator's manual for kick-out angle for boom

Item Numbers	Deficiencies	Date Corrected

At Safety working - No deficiencies found at time of insp. 2 (two) No. CDR will be submitted on Mon, 9/28/09 adding lifting JTB. Kick out High Boom 167'-0"

Name Georg Cuesta Signature of Inspector Date 09/26/2009

Name Signature of Supervising Inspector Date