

# Boom and Outrigger Check List

Name of Company \_\_\_\_\_

Make \_\_\_\_\_ Model \_\_\_\_\_ Serial Number \_\_\_\_\_ Unit Number \_\_\_\_\_

Location of Inspection \_\_\_\_\_ Date of Inspection \_\_\_\_\_

## 1. GENERAL ITEMS

		Unsatisfactory	Satisfactory
1.1	Decals		
1.2	Rubber Boom Rests		
1.3	Tie Down Straps		
1.4	Bearings & Pins Greased		
1.5	Proper Thickness Boom Pipe		

## 2. FRONT OUTRIGGERS

2.1	Structural Members and Welded Seams		
2.2	Outrigger Tubes		
2.3	Outrigger Pads		
2.4	Locking Device for Traveling and Operation		
2.5	Pivot Points		
2.6	Ease of Extension		
2.7	Hydraulic Cylinders		

## 3. REAR OUTRIGGERS

3.1	Structural Members and Welded Seams		
3.2	Outrigger Tubes		
3.3	Outrigger Pads		
3.4	Locking Device for Traveling and Operation		
3.5	Pivot Points		
3.6	Ease of Extension		
3.7	Hydraulic Cylinders		

Inspector's Name \_\_\_\_\_ Date \_\_\_\_\_

4. TOWER

		Unsatisfactory	Satisfactory
4.1	Structural Members and Welded Seams		
4.2	Bearing Condition		
4.3	Bearing Lubrication		
4.4	Tower Mounting Bolts		
4.5	Hydraulic Motor Mounts		
4.6	Slewing Gear		
4.7	Service the Turret Gear Box		

5. PEDESTAL

5.1	Structural Members and Welded Seams		
5.2	Cylinder Bearing Eyes		
5.3	Hollow Pin and Bushing		
5.4	Hollow Pin Retainer		

6. BOOM SECTION #1

6.1	Structural Members and Welded Seams		
6.2	Cylinder Attachment Point		
6.3	Pins, Bearings, and Bearing Eyes		
6.4	Pin Retainers		
6.5	Latch Hook		
6.6	Hydraulic Cylinders		
6.7	Hydraulic Lines		

Inspector's Name \_\_\_\_\_ Date \_\_\_\_\_

**7. BOOM SECTION #2**

		Unsatisfactory	Satisfactory
7.1	Structural Members and Welded Seams		
7.2	Cylinder Attachment Point		
7.3	Pins, Bearings, and Bearing Eyes		
7.4	Pin Retainers		
7.5	Boom Rest Point		
7.6	Hydraulic Cylinders		
7.7	Hydraulic Lines		

**8. BOOM SECTION #3**

8.1	Structural Members and Welded Seams		
8.2	Cylinder Attachment Point		
8.3	Pins, Bearings, and Bearing Eyes		
8.4	Pin Retainers		
8.5	Boom Rest Point		
8.6	Hydraulic Cylinders		
8.7	Hydraulic Lines		

**9. BOOM SECTION #4**

8.1	Structural Members and Welded Seams		
8.2	Cylinder Attachment Point		
8.3	Pins, Bearings, and Bearing Eyes		
8.4	Pin Retainers		
8.5	Boom Rest Point		
8.6	Hydraulic Cylinders		
8.7	Hydraulic Lines		

**10. DELIVERY PIPELINE**

10.1	Mounting Hardware for Attaching Delivery Pipeline		
10.2	Bolt Type Clamps with Safety Pins		
10.3	Safety Cable for Hose		

Inspector's Name \_\_\_\_\_ Date \_\_\_\_\_

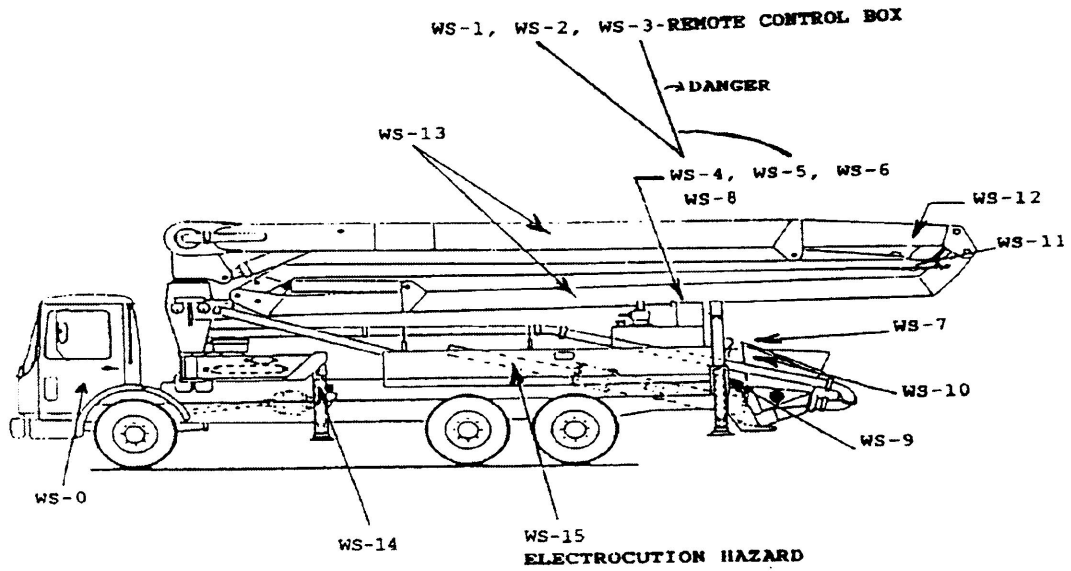
# List of Decals

The American Concrete Pumping Association recommends, as a minimum, the following decals be affixed to the concrete placing boom, outrigger and pump assembly.

- WS0 Safety Operating Instructions (see pages 19-20 for detail)
- WS1 Caution: Inspect vehicle and boom prior to use
- WS2 Danger: Qualified Operators Only
- WS3 Danger: Electrocutation Hazard
- WS4 Danger: Qualified Operators Only
- WS5 Danger: Electrocutation Hazard
- WS6 Caution: Inspect vehicle and boom prior to use
- WS7 Warning: Do not stand on grates
- WS8 13 Hand signals
- WS9 Caution: Remote controlled
- WS10 Warning: Safety Guards
- WS11 Caution in danger area
- WS12 Caution: Boom is not a crane
- WS13 Danger: Unlawful to operate this equipment within 17 feet of high voltage lines
- WS14 Caution: Stand clear of jack support
- WS15 Danger: Electrocutation Hazard

Decals must be complete and legible. Replacement decals can be obtained from the equipment manufacturer. See page 18 for recommended decal location.

# Location of Decals



## DECAL #WS0 CONTENT\*

# Safety Operating Instructions

1. Pump and boom operators must read and be familiar with the operator's manual before operating this equipment.
2. Authorized Personnel only are allowed on or near concrete pump and truck unit.
3. Safety devices **MUST NOT** be altered or removed.
4. If failures or malfunctions occur, stop operation and repair immediately.
5. Electrical and Manual controls must always be in good condition.
6. **NEVER** stand on hopper grate.
7. Keep hands, feet or human body away from hopper/concrete valve area during operation or any motion.
8. This machinery is remote controlled and may start at any time! Stand clear.
9. If vision is obscured an assistant is required.
10. If something happens to hinder the safe operation of this machine, **HALT USE** until corrected.
11. Ensure stability of unit, when in doubt of ground condition use extra blocking under outrigger legs, operate unit on level ground.
12. Clear area before extending outriggers or swinging boom.
13. Outriggers must be fully extended before boom is opened/extended or operated.
14. Engage outrigger transport locking device before entering public road.
15. Maintain safe distance from excavations. Slopes could break away.
16. Do not drive with an unfolded placing boom or un-retracted outriggers.

*\*Slight variations may occur depending on measurement system used by manufacturer.*