
SECTION 1: FILING STATUS

- **Initial Installation** – select when the CD8-AD documents CN inspections performed to verify the initial (or only) phase of the crane or derrick setup.
- **Amendment** – select when the CD8 documents CN inspections performed to verify conformance to an amended crane or derrick notice. Enter the amendment number as indicated on the amended crane or derrick notice plans.
 - Amendment is only to be selected if CN inspections were already performed for that phase. If amended plans are being followed for a new or initial phase that has not already been subject to a CN inspection, select **phase** or **new installation** as appropriate.
- **Phase** – select when the CD8-AD documents CN inspections performed to verify a new phase of the crane or derrick setup. Enter the phase number as indicated on the crane or derrick notice plans.
 - If the phase is further divided based on **position** or **jump** (climb) enter the appropriate sequential number (e.g. Phase 2, Jump 1; Phase 2, Jump 2; Phase 3, Jump 1, etc.)
- **Annual Renewal** – select when the CD8-AD documents CN inspections performed as part of the annual renewal of the Certificate of On-Site Inspection.

NOTE: When submitting the CD8-AD form with a CD8 form, the filing status entered on both forms must match.

SECTION 2: LOCATION INFORMATION

Enter the jobsite address. This information must match that on the approved CD4 form.

SECTION 3: DESIGN APPLICATION INFORMATION

Enter the information for the design applicant. This information must match that on the approved CD4 form.

SECTION 4: CRANE OR DERRICK INFORMATION

Enter the information for the crane or derrick that was inspected. If the CD number is not listed on the approved CD4 form, an amendment for the CD4 must be filed by the design applicant. There is a box that the applicant must check as **yes** or **no** to indicate whether an amendment was required.

SECTIONS 5 - 10: GENERAL INFORMATION

- Check **Pass** if the crane or derrick passes the listed CN inspection.
- Check **Fail** if the crane or derrick fails the listed CN inspection.
- Check **N/A** if the listed CN inspection is not applicable to the particular crane or derrick.

SECTION 5: UNASSEMBLED INSPECTION

- **Required for** all cranes and derricks
- **Conducted by** the Assembly/Disassembly Director for:
 - a tower crane, the Assembly/Disassembly Director shall be the licensed Master or Tower Crane Rigger
 - any other crane or derrick, if supervised by a Master Rigger, the Assembly/Disassembly Director shall be the licensed Master Rigger or the Master Rigger's designated Foreman.
- **When performed** prior to assembly of the crane or derrick
- **Inspection details include but are not limited to the following items:**
 - Visual inspection to verify that the crane or derrick components to be installed are free from damage. This includes a check of all structural and mechanical components to verify no damage occurred during shipping, as well as a check of structural components to verify they are free from any visible damage or deformation.
 - Visual inspection of ropes and pendants to verify they are in accordance with the approved crane or derrick notice plans and manufacturer specifications.
 - Verification that all manufacturer's serial numbers permanently affixed to the crane manufacturer's structural components delivered match those on the crane or derrick notice drawings, including but not limited to tower sections, lattice boom

sections, transition pieces, turntables, collars, derrick mast sections, and counterweights. For steel pieces with welded components, each component should also have a third-party report of non-destructive testing (magnetic particle testing, ultrasonic testing, penetrant testing, as applicable) bearing the same serial number and reviewed by the crane applicant.

SECTION 6: ASSEMBLED INSPECTION – CRANES AND DERRICKS EXCEPT TOWER CRANES

- **Required for** tower cranes only, but not self-erecting tower cranes:
 - if a tower crane or self-erecting tower crane, enter n/a for all items in this section.
- **Conducted by** the Assembly/Disassembly Director for:
 - if supervised by a Master Rigger, the Assembly/Disassembly Director shall be the licensed Master Rigger or the Master Rigger's Foreman
- **When performed:**
 - following assembly
 - following a partial disassembly where the crane or derrick will remain in operation at the site.
- **Inspection details include but are not limited to the following items:**
 - Visual inspection of the crane or derrick to verify it is properly assembled according to the approved crane or derrick notice plan for the position or phase being inspected. This includes location, outrigger bearing conditions, counterweight configuration, stiffleg attachments and lengths, and lifting attachments such as booms and jibs being properly installed in the correct sequence.
 - Visual inspection of components above for shipping damage or excessive deformations
 - Functionality of load indicator, load moment indicator and load moment limiter
 - All connections made with the correct number of links, bolts, pins and straps
 - Hydraulic hoses checked for leaks and proper connections.

SECTION 7: ASSEMBLED INSPECTION – TOWER CRANES OTHER THAN SELF-ERECTING TOWER CRANES

- **Required for** all cranes and derricks, except tower cranes and self-erecting tower cranes:
 - if a self-erecting tower crane, enter N/A for all items in this section
 - if any other crane or derrick, enter N/A for all items in this section.
- **Conducted by** the licensed Master or Tower Crane Rigger
- **When performed:**
 - following the erection, jumping, or climbing of a tower crane, other than a self-erecting tower crane.
- **Inspection details include but are not limited to the following items:**
 - Visual inspection of the crane to verify it is assembled and complies to the configuration shown on crane notice plans. This does not include components located beyond the connection point of the tie-in connection to the collar, or below the first mast section. Such areas are instead inspected as part of the CD8 inspection by the professional engineer, and where applicable, as part of the CD8-TR inspection by the special inspector.
 - Any tools or objects not connected to the crane are removed from the crane.
 - Lifting components on crane deck have been installed correctly.
 - Turntable bolts have been installed.
 - Functionality of load indicators and limiting devices.
 - No damage during installation to mechanical or structural components of the crane.

SECTION 8: TOWER CRANE SECTIONS – OTHER THAN SELF-ERECTING TOWER CRANES

- **Required for** tower cranes only, but not self-erecting tower cranes:
 - if a tower crane or self-erecting tower crane, enter N/A for all items in this section.
 - if any other crane or derrick, enter N/A for all items in this section.
- **Conducted by** the licensed Master or the Tower Rigger:
 - if supervised by a Master Rigger, the Assembly/Disassembly Director shall be the
- **When performed:**

- following the erection, jumping, or climbing of a tower crane, other than a self-erecting tower crane.
- **Inspection details include but are not limited to the following items:**
 - Verification that all bolts installed on the tower crane tower sections during the phase specified on the CD8-AD form are the grade, diameter and length specified by the manufacturer, properly installed to manufacturer's specifications and that the minimum torque required by the manufacturer in each bolt assembly was achieved via torque wrench. No bolt shall be torqued prior to snug tight installation of all bolts in the connection to ensure even tightening. Any previously installed tower section bolts in question shall be checked using a calibrated wrench.
 - This inspection does not include bolts located beyond the connection point of the tie-in connection to the collar, or below the first mast section. Such bolts are instead inspected as part of the CD8 inspection by the professional engineer, and where applicable, as part of the CD8-TR inspection by the special inspector.
 - Verification that the tower plumbness values obtained and certified by the licensed surveyor in Section 11 are within the tolerances prescribed on the crane notice drawings.

SECTION 10: PRE-OPERATIONAL TEST (LOAD TEST)

- **Required for:**
 - tower cranes, other than self-erecting tower cranes
 - derricks
 - May not be required for a tower crane or derrick following the initial installation; if filing for a phase, amendment, or annual renewal where a pre-operational test is not required; enter N/A for all items in this section. Refer to the approved pre-operational test procedures to determine if a pre-operational test is required.
- **Witnessed by:**
 - the crane or derrick notice engineer;
 - a qualified person employed and supervised by such engineer;
 - a qualified person employed by the equipment owner;
 - a qualified person employed by the crane or derrick manufacturer or a manufacturer authorized service center, distributor, or service provider; or
 - for a derrick, a Licensed Master Rigger, or a Master rigging Foreman.
- **When the pre-operational load test is performed:**
 - following the tower crane or derrick passing its assembled inspection.
- **Inspection details include but are not limited to the following items:**
 - The tower crane or derrick must pass a pre-operational test. The pre-operational test shall be in accordance with the approved pre-operational test procedures submitted with the crane or derrick notice application by the design applicant.
 - Verify that pre-operational load test weights have been certified in one of two ways:
 - Letter obtained within the last year from qualified agency certifying accuracy of weight
 - On-site certification using a certified scale with a current certificate of calibration
 - Operational aids and safety devices including load moment limiters, load moment indicators and load indicators are operational; limiters must be calibrated annually

CD8-AD Comment Box

If a crane or derrick initially failed a CN inspection, the condition, along with the corrective action taken, must be noted in comment box on the form that is submitted to the Department.