

PURPOSE OF FORM

This form is filed in addition to a CD8 form when special inspections are required to be performed on structural elements that support the crane or derrick. It replaces the use of a CD8-TR form dated March 2019, which will no longer be accepted by Cranes and Derricks for new applications filed after April 22, 2024. The crane design applicant who filed the crane or derrick notice application for the job determines when and which special inspections are required in accordance with 1 RCNY 3319-01, NYC BC Chapter 17 and 1 RCNY 101-06. Special inspections shall only be performed by registered special inspection agencies, approved for the project by the crane design applicant. The crane design applicant may perform these special inspections only if the crane design applicant is a registered special inspection agency.

INSTRUCTIONS**SECTION 1: Filing Status**

- **Identification of Responsibilities:** this is filled out during initial application and indicates which special inspections shall be performed by whom. Not all special inspections need be performed by the same special inspection agency; however, special inspections must be performed by special inspectors employed by a special inspection agency and meeting the qualifications of 1 RCNY 101-06
- **Withdrawal of Responsibility:** in the event that the crane applicant or special inspection agency is changed or terminated, this box shall be checked, and form filed, with the percentage and status of work completed in the form of a final report.
- **Initial Installation:** select when the CD8 documents CN inspections performed to verify the initial (or only) phase of the crane or derrick setup. If performing the tower crane foundation or first mast section, this should be filed as an "initial installation" with any subsequent phases filed as amendments.
- **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 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 (i.e., Phase 2, Jump 1; Phase 2, Jump 2; Phase 3, Jump 1, etc.)
- **Annual Renewal:** select when the CD8 documents CN inspections performed as part of the annual renewal of the Certificate of On-Site Inspection.
- **Certificate of Completed Inspections/Tests:** Check this box when all special inspections have been completed for the phase, position and/or jump specified.

SECTION 2: Location Information

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

SECTION 3: Building Owner Information

- Enter the information for the building owner.

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.

SECTION 5: Special Inspection Categories**• Tower Crane Foundations**

These include foundation elements designed and constructed specifically for the loads induced by the tower crane structure, such as footings below the tower legs or piles installed to receive tower crane loads. Any augmentations to the final structure to accommodate crane surcharge loads are not included in this category and would be under Modifications to Base Building and Adjacent Structures. Concrete Construction inspection includes inspection of all elements in Section BC 1705.3, including reinforcement.

• Modifications to Base Building and Adjacent Structures

These inspections are for elements of modifications made to new or existing permanent structures in order to accommodate the loading and placement of a crane or derrick. In some cases, the modifications are designed by the base building Engineer of Record using the loads supplied by the crane design applicant; in other cases, such as additional bracing, the crane design applicant designs these members and shows them on the crane or derrick notice plans.

Any modifications requiring special inspection for the operation of the crane shall be included in the crane and derrick notice plans, and only modifications shown on the design drawings shall be inspected and signed-off by the special inspector and design applicant.

Common examples include:

- additional rebar in the slab to accommodate crane loads additional structural steel bracing
- underpinning of adjacent property or structures including vaults or tunnels and associated monitoring of adjacent structures during crane operation and construction
- additional piles added to pile caps of the permanent structure if they are part of the crane load path.
- Crane/Derrick Platforms/Dunnage/Ramps and Connection to Base Building Structure
- this section includes any load path elements connecting the crane components to the base building, i.e., bolted or welded tie-in connections between base building steel and the steel tie
- through-bolted connections of the tie-in steel to the base building slab field-bolted steel dunnage and ramp assemblies for mobile cranes
- welded or bolted steel dunnage or reinforced concrete piers supporting derrick legs steel shoes for the basket structure of internal climbing cranes.

SECTION 6: Design Applicant Information

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

SECTION 7: Inspection Applicant Information

- The inspection applicant shall be the NYC approved special inspection agency qualified to perform the special inspections in accordance with 1 RCNY 101-06. Required inspections are indicated by the design applicant and verified by the inspection applicant during the Identification of Responsibility phase in SECTION 5.

SECTION 8: Statements & Signatures

- Statements are provided by the inspection applicant, building or project owner, and design applicant. All signatures are required. If multiple inspection applicants will be performing special inspections, a separate CD8-TR is required.