SECTION 1: FILING STATUS

- **Initial Installation –** select when the CD8 documents CN inspections that will be performed in order to verify the initial (or only) phase of the crane or derrick setup.
- **Amendment –** select when the CD8 documents CN inspections that will be performed in order 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 that will be performed in order 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 documents CN inspections performed as part of the annual renewal of the Certificate of On-Site Inspection.

  NOTE: When submitting the CD8 form with a CD8-AD 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.

SECTION 5: ON-SITE CRANE INSPECTION CATEGORIES

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*.

Site Conditions

- Verify that actual site layout matches that shown on approved crane or derrick notice plans; check that all utility vaults and transit authority easements are shown correctly.
- Any matting or pads for transversing voids or utilities shall be shown on drawings and their placement verified:
  - Structural components of any field-assembled mat assemblies shall be subject to special inspection. Prior to placement of matting, subgrade must be verified via special inspection and reported on the CD8-TR if applicable.
  - Verify that surcharge loading from equipment and simultaneous construction operations does not exceed that shown on approved crane or derrick notice plans.
- If the applicant has utilized wind load reductions requiring a *Wind Action Plan*, verify that the *Wind Action Plan* is still valid based on site conditions as observed.

Modifications to Base and Existing Structures

These include any designed augmentations or modifications to the base building structure for any structural component that is part of the crane load path. The crane load path extends from the building/tie-in connection point to the foundation.

- Modifications can include reinforced connections of the permanent structure, additional slab rebar, higher concrete strength, additional piles, pile cap modifications and any other design changes shown on the approved crane or derrick notice plans by the crane engineer, approved by the base building **Engineer of Record**.

- Modifications may include completed construction of base building elements that are already shown on base building design drawings but must be completed as a requirement for the crane to operate at the phase being inspected. Examples include completion of core steel framing up to the collar level (including special inspections as required on CD8-TR), complete installation of a minimum number of bays of floor steel beyond the tie-in location, or concrete poured to a prescribed level in the building.
- This section does **not** apply to changes not shown on the approved crane or derrick notice plans. Any installation deviating from the approved crane or derrick notice plans results in a "Fail" and must be filed as an amendment and re-inspected. "Fail" CD8 reports need not be filed but shall stay on site and made available at the Department's request.

Footing, Foundation and Support Elements for Crane

Includes any structural components installed specifically for the crane's operation, such as footings for the tower crane base section, foundations or subsurface preparation for steel mats, piles and pile caps required to support crane platforms or tower sections, or structures spanning obstacles or voids in the crane travel path.

- Verify that the subsurface has been inspected and accepted by a SIA prior to installation of footings, ramps or matting.
- All footing, anchors and pads shall be checked for compliance with crane or derrick notice designs, including review of all special inspection reports required, such as reinforcing steel, concrete strength, subsurface conditions, post-installed anchors, and concrete construction as reported on required CD8-TR form.
- Verify that all prefabricated or field-assembled matting and platform structures comply with approved crane or derrick notice plans, including member sizes, location and configuration.
- Inspect tower crane tie-in steel and verify that it has been installed according to crane notice plans at the correct level, including confirmation that connections between the building, tie-in, and collar are correctly.
- If post-installed anchors or other connections requiring special inspection are connecting the tie-in to the base structure, special inspection is required and must be reported on the CD8-TR in addition to the tie-in inspection performed by the design applicant and reported on this form. Examples would be bolting to the slab or bolted or welded connections to base building steel.
- Verify that tower crane tie-in components have been fabricated to crane notice drawing requirements and have not been damaged prior to or during assembly. While these are fabricated with quality control requirements of the fabricator, this is an additional check by the crane applicant to ensure that the overall design concept was followed during fabrication and installation and that no damage or unexpected changes occurred on site to the fabricated assemblies, such as mislocation or shipping damage.

CD8 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.

SECTION 6: DESIGN APPLICANT STATEMENTS

The design applicant **must** sign and seal the form.