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Code Determination Number: 02

Date:   April 21, 2020

Code Edition: 2018 NFPA 70E

Code Section: 130.5 Arc Flash Risk Assessment

# Question (from GBA):

What is the expectation of a third-party code plan reviewer and inspector as it pertains to the scope of arc flash elements?

# ****Answer (from UM System):****

The expectation for a third-party code plan reviewer or inspector is as follows:

1. **Designer** includes the following in contract documents submitted for permit review:
   * Generalarc flash requirements
   * Preliminary arc flash study- as required
   * Requirement for contractor to provide final arc flash study- as required
2. **Third-party code plan reviewer** verifies arc flash requirements in point 1 above are included in contract documents during permit review.
3. **Third-party code plan reviewer** includes final arc flash study and Cx report as deferred submittals on permit.
4. **Designer** reviews and approves final arc flash study.
5. **Third-party code inspector** verifies final arc flash study has been submitted by **Contractor** and **Designer** has reviewed this deferred submittal.Deferred submittal is noted as complete on the permit.
6. **Third-party code inspector** performs normal electrical rough-in inspections.
7. **CxA** verifies adjustable breaker settings and notifies **third-party code inspector** report is complete and posted; deferred submittal is noted as complete on permit.
8. **Third-party code inspector** verifies arc flash labels are affixed to electrical panels during final inspection (TCO/FCO).

# Comments (from GBA):

* If Arc Flash labeling is required by the construction documents, it is ultimately the responsibility of the engineer of record to check for their presence as part of his/her final construction observation. Any inspection requirement beyond inspecting for the presence of required electrical hazard warning hazards where required should not be the responsibility of the third-party code inspector.

(**Response from UM System:** UM System concurs- validation of device settings, label data content, etc., is the responsibility of the **CxA** and/or the **Design Professional**)