

The design group responsible for the termination end of the circuit (different from the group responsible for the function end of the circuit) reviews the scope of work document and revises the labeling portion of the drawing to agree with the new function of the circuit and issues their scope of work document showing that there is no construction work required. When the ECN cover sheet is prepared, the category designation is controlled by the details shown on the I&J-sheets from each group involved in the change. If the cover sheet is prepared using the information on the I&J-sheet from the group assigning a "documentation only" category for their area of responsibility, then the ECN gets designated as "documentation only" upon issuance to DNC. When the site Project Controls group receives an ECN designated as "documentation only," their representative files the ECN away without doing a required work scoping. When the drawing showing the physical work required arrives onsite, the responsible EE scopes the work and writes a workplan to do the work. Labeling changes on vendor supplied terminal blocks do not fall within the scope of any site or design procedures presently in effect. Therefore, if the physical work is performed on the TVA wiring and is documented as being complete, the circuit is considered (by all groups involved) as being complete as shown the newest issued drawings and is documented as such. The configuration shown on the TVA issued drawings at this point in time is different than that shown on the vendor drawings.

The labeling is also shown on vendor supplied drawings and does not require any DNC inspections to verify labeling or drawing/installation configuration control.

Of the 3675 discrepancies documented by NCR W-205-P, 3412 were identified to be associated with labeling of vendor wiring.

Though the labeling discrepancies were pervasive throughout the control panels, no quality or safety concerns were identified during the evaluation. All circuits were functionally tested and documented and would operate as designed.

If the vendor drawings had been updated to show the as-designed configuration as part of the design change process, the labeling discrepancies would not have existed.

6.2 Junction Boxes

The concern related to the acceptability of galvanized steel junction boxes resulted from a misinterpretation of the procedural requirements. The CI interpreted that material not specifically mentioned was intended to be excluded for use. Although the intent of WBN was not to exclude this material, the misinterpretation was due, in part, to the site procedure. The procedure contained only a partial listing of approved materials, not intending to exclude galvanized steel, but to address some method of corrosion protection.