

Sheet 1 of 1

DUKE POWER COMPANY
CONSTRUCTION DEPARTMENT
PROJECT CatawbaSerial no. 2
Revision no. 2

SUPPLEMENTAL INSPECTION INSTRUCTIONS

EQUIPMENT DESCRIPTION Cable Tray HangersTYPE OF INSPECTION InstallationDOCUMENTATION REQUIRED M-41A

INSPECTION INSTRUCTIONS:

1. Verify that the correct item is installed in the correct location.
2. Verify that the hangers are constructed of the correct materials (unistrut, angles, and bolts) as required by the drawings by grade or series (A-36, P-1001, etc.).
3. Verify that the hangers are of the correct dimensions specified on the design drawings.
4. Verify that the hanger assembly connections are as specified on the design drawings.
5. The Electrical Inspector shall visually inspect or verify the visual inspection of all structural hanger assembly welds.
6. Verify, on a sampling basis that unistrut bolt torque requirements are met.
7. Verify that the hangers are correctly anchored. Expansion anchors shall be inspected in accordance with QA Procedure M-52 and utilizing specification information. Bolting to embedded unistrut and welding to embedded plate shall be in accordance with design drawings.
8. Verify that the seismic bracing is constructed from the correct materials as required by the drawing by grade or series (A-36, P-1001, etc.), is of the correct dimensions, and is installed properly as required by the design drawings.
9. Verify, on a sampling basis, that the torque requirements for concrete expansion anchors 5/8 inch in diameter and less are met.
10. Verify that all expansion anchor nuts have full thread engagement. A portion of the threads shall be sufficiently visible on all anchors in order to verify thread engagement and distinguish between wedge and sleeve anchors.
11. Record the serial number of the calibrated torque wrench used to verify the torque values.

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PDR ADOCK 05000413
PDR☒ NUCLEAR SAFETY RELATED☐ NON SAFETY RELATEDPREPARED M.R. HemphillDATE 12/15/77CONST. APPROVAL DL FurrDATE 12-20-77Q. A. APPROVAL RA M. R.DATE 12-20-77

NUCLEAR REGULATORY COMMISSION
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In the matter of Catawba 45
Staff ✓
Attorney ✓
Other ✓
Reporter Ron Graham
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