

#49

Sheet 1 of 1

DUKE POWER COMPANY
CONSTRUCTION DEPARTMENT
PROJECT Catawba

Serial no 1
Revision no 0

SUPPLEMENTAL INSPECTION INSTRUCTIONS

EQUIPMENT DESCRIPTION Electrical Cabinets **NUCLEAR SAFETY RELATED**

TYPE OF INSPECTION Fabrication

DOCUMENTATION REQUIRED M-41A

INSPECTION INSTRUCTIONS:

1. ✓ Inspect nuclear safety related welds in accordance with QA Procedure M-21.
2. ✓ Verify that materials specified by design drawings are used in fabrication.
3. ✓ Verify that components, equipment, and wire (size and type) specified by Design drawings are used.
4. Verify that location of equipment, seismic bracing, blank cutouts, mounting channel, etc. is in accordance with design drawings. This will be to "eyeball" accuracy, calibrated instruments are not required.
5. Examine on a sampling basis, terminations for proper wire skinning, insulation crimp, lugs, tightness, etc.
6. Verify on a sampling basis that the proper tool (T & B type WT-145) is being used for terminations.
7. Verify that all wiring conforms to applicable separation criteria.
8. Verify that grounding is in accordance with applicable Design drawings.
9. Check components for obvious damage and free operation. **UNCONTROLLED COPY**
10. Check wiring for obvious damage (nicks, breaks, etc.). **NOT FOR CONSTRUCTION**
11. Inspect component and wire identification for conformance to Design requirements.
12. ✓ Verify on a sampling basis that specified torque requirements are met. Record type of device and serial number in remarks section of M-41A when torquing is inspected.
13. Verify correctness of wiring by point to point continuity test.
14. Inspection of items 2 thru 13 shall be documented by sign-off of the "QC Inspector/Elec. blank of the M-41A for each cabinet. The inspection of item 1 shall be documented by sign-off of the "QC Inspector/NDE" blank of each M-41A.

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PDR ADOCK 05000413
G PDR

PREPARED

KS Kinside

DATE

1/28/77

QA APPROVAL

RA Morse

DATE

1/31/77

NUCLEAR REGISTRATION COMMISSION

Docket No. 50-413

In the matter of Catawba

Start ✓

Application ✓

Interview ✓

Conf. w/ MTA ✓

Conductor ✓

Other ✓

Report by Ben Graham

DATE 4/10/83