

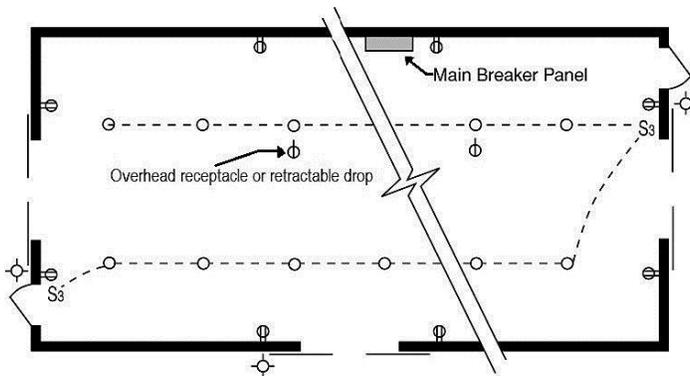
# GET THE LATEST EDITION OF THE *Agricultural Wiring Handbook*

The updated edition of the *Agricultural Wiring Handbook* is available! This guide to farm wiring, motor circuits and utility distribution arrangements contains 113 pages and over 80 illustrations. It's an essential guide for understanding requirements of the *National Electrical Code* on farms.

The Handbook's 34 chapters are grouped into the following topic areas.

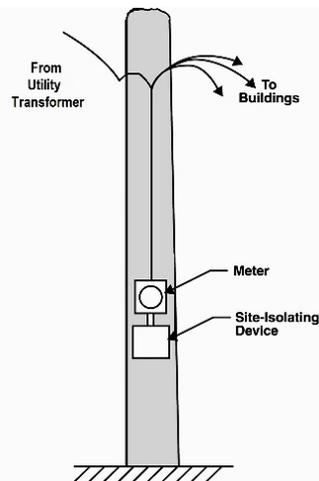
- I. **Fundamental Concepts and Requirements** (3 chapters)
- II. **Wiring Considerations for Farm Buildings** (12 chapters)
- III. **Metering, Distribution and Services** (10 chapters)
- IV. **Consideration for Motor Circuits** (2 chapters)
- V. **Grounding** (3 chapters)
- VI. **Selected NEC Article Reprints** (1 chapter)
- VII. **Reference Tables** (3 chapters; 34 Tables on motors; wire sizing; other)

The early chapters provide a great beginner's guide for those having limited knowledge of electrical wiring, circuit sizing, and the special needs of motor circuits. Also wiring materials required for different farm conditions defined by the Code are explained, with examples.

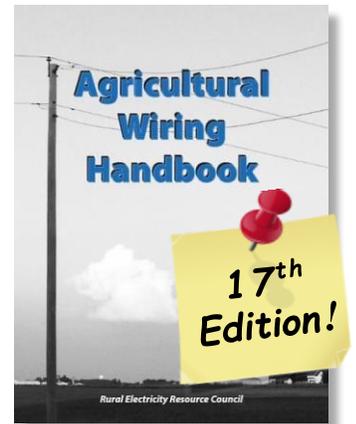


There are 26 types of farm structures illustrated including livestock buildings, a farm shop, machinery shed and grain facilities, with simple wiring plans. Other chapters explain ground-fault and arc-fault circuit interrupters, phase converters and recommendations for efficient lighting, standby generators, and required grounding methods.

Of particular interest to electric power suppliers are chapters on metering, sizing of conductors, and on-farm distribution layouts. Examples show step-by-step methods to correctly size utility feeders and service equipment. To reduce the chance of stray voltage, a four-wire service is explained and illustrated, as well as equipotential planes and Code-mandated grounding techniques.



The most popular section contains the wire sizing tables. Using the amp load and the length of the conductor run, these tables provide the minimum wire size for limiting voltage drop. They also ensure that Code limitations on wire insulation types are not exceeded. There are tables for copper and aluminum, single-phase and three-phase with voltage drops of 2% or 4%.



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<b>\$24.75</b>	4 or more copies: \$20.95

To avoid costly Code violations, this easy-to-read reference is invaluable. Installing improper wiring carries the consequences of:

- (1) greater risk of fire, (2) higher insurance costs, and (3) lost time in rewiring the building.

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