ABECA

Dr. John M. Thurber
RCDD, CSI · Founder & CEO



CAPABILITIES STATEMENT

ABECA Technology Solutions

Independent Division 27/28 low-voltage consulting — design, audit, inspection, and ongoing support for owners, general contractors, and electrical contractors.

2009
founded — RCDD practice since 2015

31 Years
principal's experience in telecom & low voltage

15+
industries served across North America

CORE COMPETENCIES

- Division 27/28 low-voltage design & RCDD-stamped construction documents
- Independent technology audits of existing infrastructure
- Construction-phase inspection & owner's representative services
- GPON / passive optical LAN (fiber-to-the-desktop) design
- Cellular DAS & public-safety ERRCS coordination
- Structured cabling warranty & application-assurance compliance review
- Sustainability-minded, waste-conscious project delivery
- Vendor-neutral technology & manufacturer recommendations

INDUSTRIES SERVED

Entertainment · Gaming · Education · Higher Education · Tribal Broadband · Hospitality · Retail · Finance · Solar · Wind · Healthcare · Government · Data Centers · Industrial · Manufacturing

DIFFERENTIATORS

- Independent — no installer, integrator, or manufacturer affiliation
- Feet-on-the-ground presence from design through closeout, not just a drawing set
- BICSI-certified RCDD leadership on every engagement
- Founder-led continuity: the same principal who designs it walks the job
- Distributor & manufacturer relationships without a conflict of interest

COMPANY DATA

Founded	**2009**
RCDD Practice Since	**2015**
Headquarters	**Sand Springs, OK**
Service Area	**North America · Nationwide**
Credentials	**RCDD (BICSI), CSI**

Sand Springs, OK · Available Nationwide

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CAPABILITIES STATEMENT

Solutions & Services

Design & Engineering

- RCDD-stamped construction documents
- Technology & vendor evaluation
- Specifications & bid-phase support

Structured Cabling

- Copper & fiber backbone design
- Warranty & application-assurance review
- BICSI / ANSI-TIA standards compliance

Passive Optical LAN (GPON)

- Fiber-to-the-desktop design
- Singlemode backbone planning
- Zone-enclosure & IT-closet consolidation

Wireless & Distributed Antenna

- Cellular DAS design coordination
- Public-safety ERRCS (NFPA / IFC) compliance
- Wi-Fi & wireless infrastructure planning

Technology Audits & Assessments

- Existing infrastructure audits
- Code & standards compliance review
- Deficiency documentation & punch lists

Construction Admin & Owner's Rep

- Construction-phase inspection visits
- GC & installer coordination
- Closeout & certification review

Sustainability & Waste-Conscious Delivery

- Distributor & manufacturer packaging coordination
- Waste-reduction project planning
- Green project documentation

Vendor-Neutral Advisory

- Independent technology recommendations
- RFP & specification development
- Lifecycle cost guidance

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