



# CAPABILITIES STATEMENT



## Building Diagnostics & Property Science

### SERVICES

#### Commissioning

- Total Building Cx
- Building Envelope Cx
- LEED Fundamental Cx
- LEED Enhanced Cx
- Retro-Cx
- Energy Audits
- Construction Oversight, Management, & Progress Rpts.
- Re-Cx
- Long Term Maintenance Planning

#### Building Envelope

- Envelope Testing/Inspections
- USACE Compliant Air Barrier Testing/Inspections
- Roof Inspections/Testing
- LEED Indoor Air Quality Testing
- Temperature & Humidity Monitoring
- Infrared Thermography
- Structural & Utility Mapping with GPR

#### Traditional Environmental

- Phase I & II ESA
- Lead Based Paint Survey
- Asbestos Survey
- Wetlands Delineation
- NEPA Assessments
- Mold Consultation
- Off-Gassing Testing
- Facility Dust & Particulate Monitoring
- Remediation Plan Development & Oversight

### CONTACT

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### SUMMARY:

BD&PS was founded in 2005 to provide engineering consulting services related to building commissioning, evaluation of energy management systems and building envelopes. Our technical staff consists of individuals with expertise in building commissioning, building envelope services, traditional environmental, indoor air quality and energy management.

BD&PS has the unique capability of performing building envelope commissioning and envelope testing. We have significant experience in the testing and analysis of buildings with IAQ issues, HVAC systems and controls problems, and envelope problems including air and moisture intrusion. The proper diagnosis of these problems comes from our vast knowledge of energy systems, HVAC systems, Building Envelope and diagnostic techniques gathered from years of field experience.

### TECHNICAL ABILITIES:

- Professional MEP Engineer with over 30 years of design experience
- Three Certified Commissioning Authority (CxA) AABC Commissioning Group
- Two Accredited Commissioning Authority + Building Enclosure (CxA+BE) University of Wisconsin
- Two Certified Building Enclosure Commissioning Process Provider (BECxP) University of Wisconsin
- Certified Commissioning Technician (CxT) AABC Commissioning Group
- One LEED AP BD+C, and Two LEED AP's
- Three Qualified Commissioning Providers (QCxP) University of Wisconsin
- Two Level III Air Leakage Testing in Large Building Professionals
- Level II Air Leakage Testing in Large Building Professional
- Certified Infrared Thermographer: Building Investigations
- Certified Infrared Thermographer: Building Science

### CODES:

**NAICS:** 541330 –Engineering (PRIMARY)  
541350, 541360, 541380, 541618, 541620, 541990, 541690, 562211, 562910

**DUNS:** 805643926

**CAGE:** 4YYT5

**Government Classification:** 8(a), Small Minority Owned Business and Small Disadvantaged Business

### CLIENT & REFERENCE LIST:

#### NAVFAC Southeast/NAS Meridian, MS

- Retro-Cx of 4 Buildings
- Retro-Cx of 5 Buildings
- NOSC Bessemer Asbestos & LBP

Contact: Lisa Harris (601) 679-2179

#### USACE Mobile, AL

- Von Braun Phase IV-Redstone Arsenal
- IDIQ Commissioning Contract
- TEDAC Intake Facility
- TEDAC Collaboration Center, Visitors Screening Facility and Repository

Contact: John Crutcher (256)955-1570

#### Mississippi Department of Transportation

- Master Contract for Commissioning

Contact: Jim Vinson (662) 563-7780

#### Mississippi Army National Guard

- Army National Guard—Senatobia
- Army National Guard-Vicksburg
- Camp Shelby Joint Forces Training

Contact: Karen Brewer (601) 313-6130

BD&PS has provided commissioning and/or building envelope services at the following military installments:

1. Ft. Benning, GA
2. Anniston Army Depot, AL
3. Ft. Campbell, KY
4. Gulfport Naval Construction Battalion, MS
5. Keesler Air Force Base, MS
6. Columbus Air Force Base, MS
7. Mississippi Army National Guard, Senatobia, MS
8. Mississippi Army National Guard, Vicksburg, MS
9. Eglin Air Force Base, FL
10. ERDC/ITL, MS
11. Apra Harbor, Guam
12. Camp Shelby, MS
13. Redstone Arsenal, AL
14. Meridian Naval Air Station, MS
15. NOSC Bessemer, AL
16. Ft. Rucker, AL
17. Red River Army Depot, TX
18. AVCRAD Gulfport, MS
19. Hurlburt Field, FL

## PAST PERFORMANCE:

### Naval Air Station Meridian, Mississippi

Client: NAVFAC Southeast

Size: 177,415SF (Total)

Construction Cost: N/A

Project Info: BD&PS is providing Retro-Commissioning planning, investigation, review, analysis and implementation for 8 buildings located at NAS Meridian. BD&PS performed this work under two separate contracts, the first was for four (4) buildings (100,744SF) and the second contract was awarded based on our performance and client satisfaction for an additional four (4) buildings (76,671SF). Building Envelope testing and evaluation were also provided. Anticipated to achieve a minimum 15% reduction in energy consumption with less than 24 month payback from corrective actions to existing HVAC equipment, temperature controls systems and building envelope deficiencies.

### Keesler Air Force Base Community Hospital Gulfport, Mississippi

Client: W.G. Yates Construction

Size: 143,000SF

Construction Cost: \$37,200,000

Project Info: BD&PS provided Commissioning services for this 143,000SF addition to the existing Community Hospital. Systems commissioned included: HVAC, EMS Controls, Medical Gasses Systems, and Automatic Transfer Switches.

### Tuscaloosa Federal Courthouse Tuscaloosa, Alabama

Client: BE&K/Harrison Construction

Size: 127,000SF

Construction Cost: \$47,800,000

Project Info: BD&PS provided extensive envelope testing services which included Air Leakage, Water Penetration, Adhesion Strength, and Air Barrier Membrane thickness verification.

### Von Braun Phase IV at Redstone Arsenal, Alabama

Client: USACE Mobile

Size: 225,000SF

Construction Cost: \$59,000,000

Project Info: BD&PS is providing LEED Fundamental and Enhanced commissioning services for this 225,000SF office building for the Missile Defense Agency. Systems commissioned included: HVAC, Temperature Controls, Domestic Hot Water, Lighting/Daylighting Controls, Emergency Generator/Power System, and the Uninterruptable Power Source (UPS).

### Eglin Air Force Base AMDS/TOPA Annex, Florida

Client: M.E. Group

Size: 145,000SF

Construction Cost: \$52,000,000

Project Info: BD&PS is providing Building Envelope Commissioning, Whole Building Air Leakage Testing and supplemental MEP Commissioning field-work for the project CxA. Building Envelope Commissioning includes commissioning the vapor barriers, windows, wall, roof and air barrier systems. As part of the commissioning process BD&PS is providing water and air infiltration testing and Roof Electrical Capacitance testing.

