

Commissioning Services

Protect Your Investment









Construction Phase



Post-Occupancy



Retro-Commissioning

Commissioning Services

What is Commissioning?

Construction is expensive with complex networks of equipment and systems that take hundreds of people to design, construct, install and start up. With so many moving parts, issues are inevitable. Commissioning identifies these issues before they become a problem, saving you money during construction and beyond.

Design Phase Commissioning

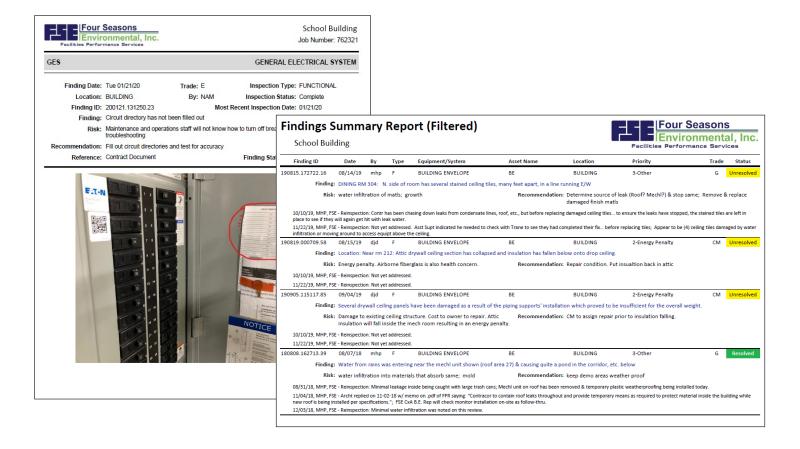
FSE is the Owner's advocate to ensure the Owner's intentions and expectations for the project are documented and followed, not only in the design phase, but throughout the project.

- Develop the OPR to set Owner's goals.
- Phased reviews of project drawings identify issues and improvements.

Construction Phase Commissioning

Problem areas don't stop during the design phase. FSE ensures all equipment and systems are installed properly and working efficiently, holding subcontractors accountable for their work.

- Customized inspection forms ensure all equipment and systems are inspected and verified.
- Findings reports clearly show all issues found, risk, recommendation and status.
- Cx team ensures all findings are resolved before project completion, resulting in an efficient and comfortable building.



Commissioning Services

Post-Occupancy Commissioning

Just because the construction stops, we don't. FSE stays by your side as you occupy the building, verifying staff is well trained and systems are still functioning appropriately.

- FSE tests equipment in opposite season.
- Ensures maintenance staff is equipped to manage the new, state-of-the-art systems.
- NEBB certified staff oversees test and balance.

What is Retro-Commissioning?

We tune up our cars, why not our buildings? Fifty percent of buildings fall out of calibration within the first five years of operation, causing increased energy and operating costs, decreased occupant comfort. Improve the efficiency of your existing building, resolving problems that may have occurred during design or construction, or correct issues that often develop as equipment ages or the building's use changed.

- FSE reviews major systems, looking for problem areas, as well as efficiency improvements.
- FSE develops a scope of corrective actions and oversees work.
- Functional tests confirms all work is complete and systems are operating efficiently.

Your Building Better

Whether new construction or a 30-year-old facility, your building can be better. Through commissioning and retro-commissioning, see reduced energy output, decreased maintenance costs and improved occupant comfort.



Ensures equipment and systems are installed and operating correctly.



Increase equipment lifespan, occupant comfort and energy efficiency.



Decrease unexpected and emergency repair and replacement costs, and energy spikes.



Resulting in a high-performing, comfortable and efficient building.



FSE's Commissioning Team

Why FSE?

As a Certified Commissioning Firm (BCCB), FSE successfully commissioned more than 550 projects, ranging from small office spaces to complex laboratories. This two decades of experience gives our agents valuable expertise, which results in high-functioning, efficient buildings.

16

TRAINED STAFF

Our team of 16 Cx employees are certified in commissioning, energy management, DDC controls, test and balance, and infrared thermography.

5

DISCIPLINES

Our team is comprised of seasoned professionals with hands-on MEP experience and licensed contractors in five disciplines.

473

FINDINGS

Through system verification and quality-assurance testing, FSE has found an average of 473 findings on our last 10 projects.

Not Your Average Commissioning Team

BUILDING ENVELOPE

Our registered architect, roofing specialist and thermal infrared thermographer work in concert to ensure your building enclosure is resistant to water and air infiltration, improving your building's overall durability and longevity.

REAL-TIME REPORTING

Never feel out of the loop with your construction project. FSE's web-based reporting allows all members of the construction team to view inspection findings, allowing for quick resolution.

TEST AND BALANCE

Fifty percent of buildings fall out of calibration within the first five years of operation. Certified by NEBB, FSE provides TAB services to extend your equipment life cycles and provide proven energy savings and comfort results.

RETRO-COMMISSIONING

Not undergoing construction? Improve your existing building's operation and efficiency. Retro-commissioning successfully identifies deficiencies: saving energy and increasing occupant comfort.

