

## 5 KEY QA CHECKS FOR BUILDING AUTOMATION & MECHANICAL SYSTEMS

As you embark on new construction projects or seek to optimize existing ones, it's crucial to ensure that your building systems meet the highest standards of performance and efficiency. DMA Engineering offers this quick QA guide to quality assurance for your building systems.

1

### EARLY PLANNING AND COORDINATION

- Begin commissioning early in the project's lifecycle to maximize its effectiveness.
- Engage in activities during the design phase and involve all relevant stakeholders from the outset ensuring the building owner gets the building they want.
- Establish clear communication channels to facilitate smooth collaboration and decision-making processes.



2

### INTEGRATED DESIGN PROCESS DURING THE DESIGN PHASE

- Integrate commissioning activities seamlessly into the design process to ensure that sustainable and energy-efficient features are incorporated from the initial stages of development.



3

### PRACTICAL DESIGN STRATEGIES

- Convey your Owner's Project Requirements (OPR) so that the Basis of Design (BOD) for your building results in the finished building you truly want as the owner.



4

## COMPREHENSIVE DOCUMENTATION

- Develop detailed commissioning plans, checklists, and reports to track the progress of your project.
- Maintain thorough documentation of comments and concerns raised during the commissioning process to ensure transparency and accountability.
- Provide comprehensive operation and maintenance manuals to facilitate the smooth transition of equipment and systems to building owners and managers.



5

## VERIFICATION AND TESTING

- Prioritize the thorough verification and testing of all building systems, including HVAC, lighting, and water systems. Data to be provided in the Operations & Maintenance Manual.
- Ensure that each component operates as intended and meets performance criteria to guarantee optimal functionality and efficiency.



By adhering to these five major quality assurance checks, you can safeguard the success and sustainability of your building projects. DMA Engineering's design and commissioning teams are available to support you every step of the way, providing expert guidance to help you achieve your goals.

Specializing in end-to-end commissioning services for new construction, DMA has a dedicated focus on HVAC/R systems design, renewable energy systems, LEED certification, building automation systems, commissioning, retro-commissioning, and ongoing commissioning.

Today's complicated systems require comprehensive oversight. DMA provides an additional level of oversight for all systems, ensuring efficient building functionality.

Contact DMA Engineering, and let's make your building work smarter, not harder.

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