reasons lighting controls commissioning goes bad Cheat Sheet

by [deleted] via cheatography.com/2754/cs/18019/

Introduction

To ensure complex systems function as intended, a formal commissioning process needs to be established.

Source: https://www.csemag.com/articles/10-reasons-lighting-controls-commissioning-goes-bad/

!0 Reasons

1. The electrical engineer didn’t consult with the owner/pertinent stakeholders to confirm project requirements prior to developing the basis of design.
2. An unclear sequence of operation (SOO) for the equipment that was specified.
3. The electrical engineer didn’t understand the capabilities of what they specified or approved as a substitution.
4. The engineer didn’t specify source-control requirements.
5. Lack of communication/coordination when integration with other systems is required.
6. The controls manufacturer was not involved during preconstruction, doesn’t create project-specific installation drawings, or doesn’t assist during creation of the prefunctional checklist and functional test scripts. The CxA and/or contractor says, “I can do it without the manufacturer’s help.”
7. Attempting to shorten the schedule by combining prefunctional inspections and functional testing.
8. The CxA and contractor attempted to perform functional testing post-occupancy.
9. Inadequate user training and documentation in the operation and maintenance (O&M) of the lighting control system.
10. A post-occupancy evaluation visit never happens.