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Control Panel Design Basics. There are four main electrical control panel design basics, or phases, when it comes to control panel construction: A thorough review of all technical documentation and a question and answer session to fill in all gaps. Design of the control system and production planning to maximize efficiency.

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The control panel that we are reviewing here is a 2-door control panel. As you may remember from the previous RealPars article about the basics of a control panel, we mentioned that we name control panels based on the number of doors that they have.

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Adequate vertical space will also allow power components to dissipate heat properly. In addition, plenty of room should be left at the bottom of the control panel to allow for coiling up spare field wiring. Wireway design. A good control panel design incorporates the right type and the right amount of wireway.

FOUR ASPECTS OF GOOD CONTROL PANEL DESIGN

Does your current project require Electrical Control Panel Design or PLC Panel Design? Systems Engineering design-builds panels from as small as 12" x 12" up to massive 4 or 5 door enclosures. Our panels are built to the UL508A standard and in accordance with the NFPA 79 Electrical Safety Standard.