Important Features of a Critical Design Review

The objective of a Critical Design Review is to demonstrate to your management and the program sponsors that your preliminary design is complete enough to proceed with funding the next stage. To this end, your review should include the following features:

1. **Analysis** of critical design feature(s); this might be mathematical analysis, subsystem prototypes, or simulations
2. **Plans** for construction: schematics, mechanical drawings, software flowcharts, etc.,
3. **Requirements**
4. **Specifications**
5. **Design risks**, and plans to mitigate them.
6. **Test plan**; must be designed to verify that the requirements and specifications are met.
7. **Budget**
8. **GANTT chart** (or similar)
9. **Earned value** analysis
10. **Acknowledgements**: Credit your sponsors, your advisor, and anyone else who helped on the project.