

INTEGRATED CONTROL HOUSES

QEI provides integrated control house solutions that give you unique advantages for completing your project on time. Our team of engineers and technicians work closely with our clients to customize solutions to meet the requirements.

From design to commissioning, QEI provides a complete solution for control houses and control panels that give you

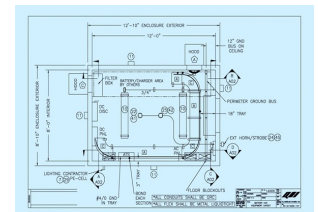
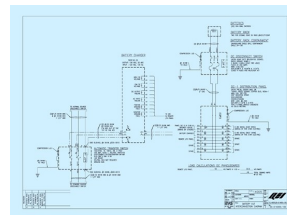
The QEI Advantages.....

- Guaranteed specification and design approval compliance
- Single point of contact
- Quality (ISO9001:2015)
 - Factory Wiring
 - Factory Testing as a single assembly
- Cost
 - Final assembly and wiring
 - Single point of contact (design, shipping, warranty)
 - Single FAT
 - Startup & Commissioning
- Guaranteed field commissioning first time



DESIGN

- QEI develops and submits all approval submittal documentation:
 - Catalog Cut Sheets
 - Control House Structural Drawings
 - Layout Drawings
 - Interconnection Drawings
 - Point Assignment Sheets



PROCUREMENT

- All material is purchased by QEI per the approved submittal:
 - Control House
 - Electrical infrastructure
 - Panels
 - RTU
 - Automation Equipment
- All material received is inspected in accordance with specification and approvals.



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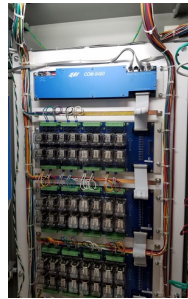
INTERNAL ASSEMBLIES

- QEI factory builds its own assemblies:
 - Instrumentation Panels
 - Remote Terminal Units (RTUs)
 - Termination Cabinets
 - Miscellaneous Cabinetry Assemblies
- All assemblies built are inspected to insure specification and approval compliance.
- All assemblies (if required) are configured as required.
- All assemblies undergo unit testing to insure proper wiring and operation.



FINAL ASSEMBLY

- All assemblies are staged and mounted into the final configuration and layout; i.e., Control House.
- All assemblies are wired in accordance to specification and approvals.
- All assemblies are fully configured in accordance to specification and approvals.



TESTING

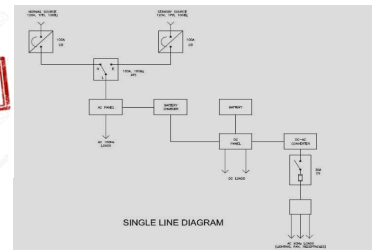


- All equipment installed, wired and configured are tested in its final configuration per the specification and approval:
 - External Power
 - Internal Power
 - Communication
 - Battery Charging
 - Emergency Signage
 - Switching
 - Automation



FACTORY ACCEPTANCE TESTING

- QEI performs witnessed/unwitnessed acceptance tests on the entire Control House.
- Once testing is completed the Control House is ready for delivery and final onsite installation.



Factory Acceptance Test Procedure Control Houses

FIELD COMMISSIONING

- QEI field personnel will go onsite and perform a final field acceptance test, as required, to insure that all external field wiring and communications are working properly.
 - Only unknown in the field are the field Connections.
 - Onsite test time is fast & efficient due to factory assembly and testing.
 - Onsite startup and commissioning is more efficient, has less risk and lowers cost.

