

R.T. Patterson Company, Inc.

Engineers and Consultants

CLIENT

Century Aluminum
Hawesville, KY Plant

PROJECT

Green Mill Control Upgrade

PROJECT SCOPE

RTP provided upgrade to the green mill controls by replacing the existing relays and PLC-5 racks with a ControlLogix PLC and replacing the existing operator desk/graphic panel with new HMI units.

RTP SCOPE OF WORK

RTP provided electrical design drawings as to the following:

- Provided general arrangement & exposed conduit plans
- Provided conduit & cable schedules
- Provided PLC & remote I/O cabinet layouts
- Provided rack layouts
- Provided communication interconnection diagram
- Provided I/O schematics
- Provided control power schematic
- Provided MCC single line & three-line diagrams
- Provided PLC & HMI programming
- Provided start-up assistance

Before



After

