

# R.T. Patterson Company, Inc.

## Engineers and Consultants

### CLIENT

US Steel – Gary Works  
Gary, Indiana

### PROJECT

No. 2 Gary Slab Caster

### PROJECT SCOPE

The project was to install 2 independent continuous slab casting machines along with associated support facilities with an annual production capacity of 3.3 million tons. Also included was the installation of an LMF facility into an existing complex and modifications of the existing Q-BOP facility to increase the average heat size. Scope of Work included:

- Demolition, relocation & site prep
- Renovation of existing mill building
- New mill buildings
- Q-BOP Shop modifications
  - Slab skimming stations
  - Ladle preparation facilities
  - LMF facilities
  - Crane upgrading
  - New crane girders
- Slab Casters
- Cranes
- Power Distribution System
- Fully automated control w/ three levels of computer control
- Metallurgical lab
- Tundish repair, Slab slitting, shipping and water treatment facilities.
- Computer & control rooms
- Auxiliary buildings, roadways
- Building Ventilation System



### RTP SCOPE OF WORK

RTP provided project management, construction engineering and design to include the following engineering services:

- Feasibility Study
- Appropriation cost estimate
- Project engineering
- Design engineering (Civil, Elect., Piping & Instrumentation)
- Specification writing
- Expediting
- Cost control
- Construction management services
- Check-out and start-up assistance



**Project Value: \$230 Million**