

R.T. Patterson Company, Inc.

Engineers and Consultants

CLIENT

LTV Steel – Indiana Harbor Works
Indiana Harbor, Indiana

PROJECT

Slab Caster Facility

PROJECT SCOPE

Consisted of installing two independent continuous slab casting machines, LMF and associated support facilities with an annual production capacity of 3.3 million tons.

The following were included in the scope:

- Demolition
- Site Preparation
- Renovation of existing mill building
- New caster building
- Twin Strand continuous caster
- Ladle transfer car
- Two-ladle turret
- Shroud Manipulator
- Tundish with cars
- Torch cut-off machines
- Run-out tables
- Weight scales
- Identification system
- Tundish stands and ladle reheat furnace

PROJECT SCOPE (Cont.)

- Instrumentation and computerization
- Programmable logic control
- Segment maintenance facility

RTP SCOPE OF WORK

RTP provided the following facility engineering for installation:

- Field investigations
- General arrangement and layout drawings
- Piling and foundation design and installation drawings for the buildings, line equipment and support facilities
- Structural steel design drawings for buildings, accesses and support facilities
- Architectural design and installation drawings for buildings, support rooms, pulpits, etc.
- Piping design and installation drawings
- Project management
- Installation specifications
- Project scheduling
- Construction assistance



Project Value: \$200 Million