

R.T. Patterson Company, Inc.

Engineers and Consultants

CLIENT

Voest-Alpine Industries, Inc.
Armco – Mansfield Steel Operations
Mansfield, Ohio

PROJECT

Mansfield Caster Project

PROJECT SCOPE

The project was to modernize the Mansfield Steel Operations into a mini-mill type, low-cost producer of carbon hot bands with the capability to produce stainless and silicon steels. The modernization program replaced the existing ingot teeming, ingot soaking and primary ingot rolling facilities with the latest slab casting and direct hot charging technologies.

The facility consists of the installation of:

- 1 Ladle Metallurgical Facility
- 1 Single Strand Thin Slab (3" to 5")
- 1 Walking Beam Type Slab Soaking/Reheat Furnace

RTP SCOPE OF WORK

RTP provided installation engineering services including:

- Field investigations
- General Arrangement and Layout Drawings
- Preparation and maintenance of the project CPM schedule
- Dismantling and Relocation Drawings and Specifications



RTP SCOPE OF WORK (Cont.)

- Foundation Design Drawings
- Structural Steel Design Drawings
- Architectural Design Drawings
- Process and Utility Piping Design and Installation Drawings
- Electrical Design and Installation Drawings
- Preparation of Installation Specification Packages
- Preparation of Building Permit Drawings
- Expediting Services
- Construction Assistance
- Construction Management Services
- Project Management Services



Project Value: \$100 Million