

Industrial Plant Renovation



Project Profile

Aluminum Casting Production Facility Saginaw, MI

Architect / Engineer: William A. Kibbe & Associates, Inc.

Project Type: Industrial

Project Information

Renovation area: 140,000 SF

New Building: 30,000 SF

New Mezzanines: 20,000 SF

New Construction: 50,000 SF

Completion Date: September 2001

Total Project Cost: \$150 million

William A. Kibbe & Associates, Inc. provided complete engineering services for a new aluminum engine and head production line at an automotive parts manufacturing facility in Saginaw, MI. WAK provided structural engineering services in addition to industrial, mechanical, & electrical engineering as well as architectural design services. WAK also provided on-site personnel for field observation and coordination activities for all trades.

Structural engineering services included:

- Equipment, building and utility demolition
- Building modifications
- Column & truss reinforcement
- Roof raising
- Column shoring, removal & re-support
- New Building Addition
- Earth Retention
- P & F conveyor routing & support
- Incinerator, bag house and stack foundations (pile)
- Caustic containment structure
- Equipment decks and mezzanines
- Bridge cranes & service hoists
- Service access (stairs & ladders) & operator platforms
- Fall protection
- Utility piping supports & anchors



William A. Kibbe & Associates, Inc.
Engineers - Architects - Consultants

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