

CAPABILITY SHEET

New erection and repair of boiler structure, stacks, cooling towers, and industrial steel

MAC Industrial's structural steel crews execute new erection and structural repair for boiler casings, stacks, cooling tower structures, and heavy industrial steel across power and industrial facility outages. All structural welding is performed by AWS D1.1-qualified welders with full WPS/PQR documentation.

We self-perform rigging, fit-up, and welding from ground to elevation, coordinating with engineering for load calculations and connection design as required.

- Boiler structure and buckstay repair and replacement
- Stack liner and shell plate repair
- Cooling tower structural steel repair and replacement
- New structural steel erection per AISC 360
- Connection repair — welded and bolted
- NDE per AWS D1.1 visual and UT requirements
- Rigging and crane coordination for heavy lifts
- Fireproofing removal and reapplication (intumescent)

- AWS D1.1 — Structural Welding Code (Steel)
- AISC 360 — Specification for Structural Steel Buildings
- ASME B31.1 — Power Piping (connected systems)
- OSHA 1926 Subpart R — Steel Erection