

G-P Turbine Generator

Toledo, OR

JH Kelly was selected by Georgia-Pacific West Corporation as the primary contractor for their turbine generator project. JH Kelly's work scope included all civil, structural, piping, and mechanical work associated with the installation of two steam powered turbine generators with a combined output of 22,500 kW.

Work started after the demolition of an existing recovery boiler building. The civil work portion included demolition of the existing concrete slab and foundations, installation of new steel driven pile, repair of existing wood pile, installation of concrete foundations and slabs and turbine generator pedestal installation.

JH Kelly's ironworkers were responsible for utility support steel throughout the mill facilities, erection of structural steel in the electrical building, and erection of structural steel in the turbine building.

The workforce majority, pipefitters and pipefitter-welders, installed 5,000 lineal feet of carbon steel large bore pipe, 4,000 lineal feet of stainless steel large bore pipe and 3,000 lineal feet of small bore pipe. The piping scope included high- and medium-pressure steam lines, mill water lines, lube oil piping, hydraulic tubing and instrumentation.

Our millwrights installed and aligned the two turbine generators, gland extractors, oil reservoirs (including coolers, pumps, filters, and vapor extractors), bowser oil units, hotwell pumps, and rebuild the rotating assemblies in two boiler feedwater pumps.



Special points of interest:

- 22,500 kW combined output
- 1,500 cubic yards of poured concrete
- 12,000 lineal feet of pipe