



Project Profile

Paper Machine Dry End Rebuild

Eastern Ontario



The conversion of an existing paper machine to produce a different line of paper products required that a Soft Nip Calender be installed in place of the existing two roll stack. The project required that the existing reel be moved towards the winder. A rope transfer system was also introduced to automate threading of the sheet from the dryer through the calender to the reel.

All mechanical, piping, civil, electrical and instrumentation engineering for the installation of the new calender and auxiliary systems was completed.

Civil work included equipment demolition, new sole plates for the calender, reel, and parent roll stands and reinforcement of machine track sill beams. An extension to the climatized electrical drive room was required. Two powered hoists were installed to facilitate roll removal for maintenance. Other new auxiliary systems included hot oil units, lubrication units, hydraulic units and new air, water and oil cooling systems.

All new auxiliary systems related to the calender were installed and commissioned prior to the paper machine shutdown for the calender installation and reel relocation.

Services: feasibility study, cost estimating, preliminary design, detailed design, construction tender package, contract management and construction supervision

Client: Paper Mill,
Eastern Ontario

