



Project Profile

Industrial Plant Building Roof Replacement and Structural Repairs

Central Canada

The entire roof was replaced on a large industrial building, with no disruption to production activities below.

The existing concrete roof deck, poured in place in the 50's, was badly deteriorating. The existing channel purlins had sagged under the combined weight of the concrete deck, the water-logged fiberboard roofing material and snow loads.

To allow production to continue during the roof replacement, a false ceiling was designed and built over the production area. The old concrete roof was removed in sections and the old channel type purlins were replaced with new I-beam purlins. Installation of a new steel deck and built-up asphalt roofing followed.

Extensive structural repairs were also required to the building walls due to water/ice infiltration causing severe structural damage over the years.

Services: civil / structural design, field supervision

