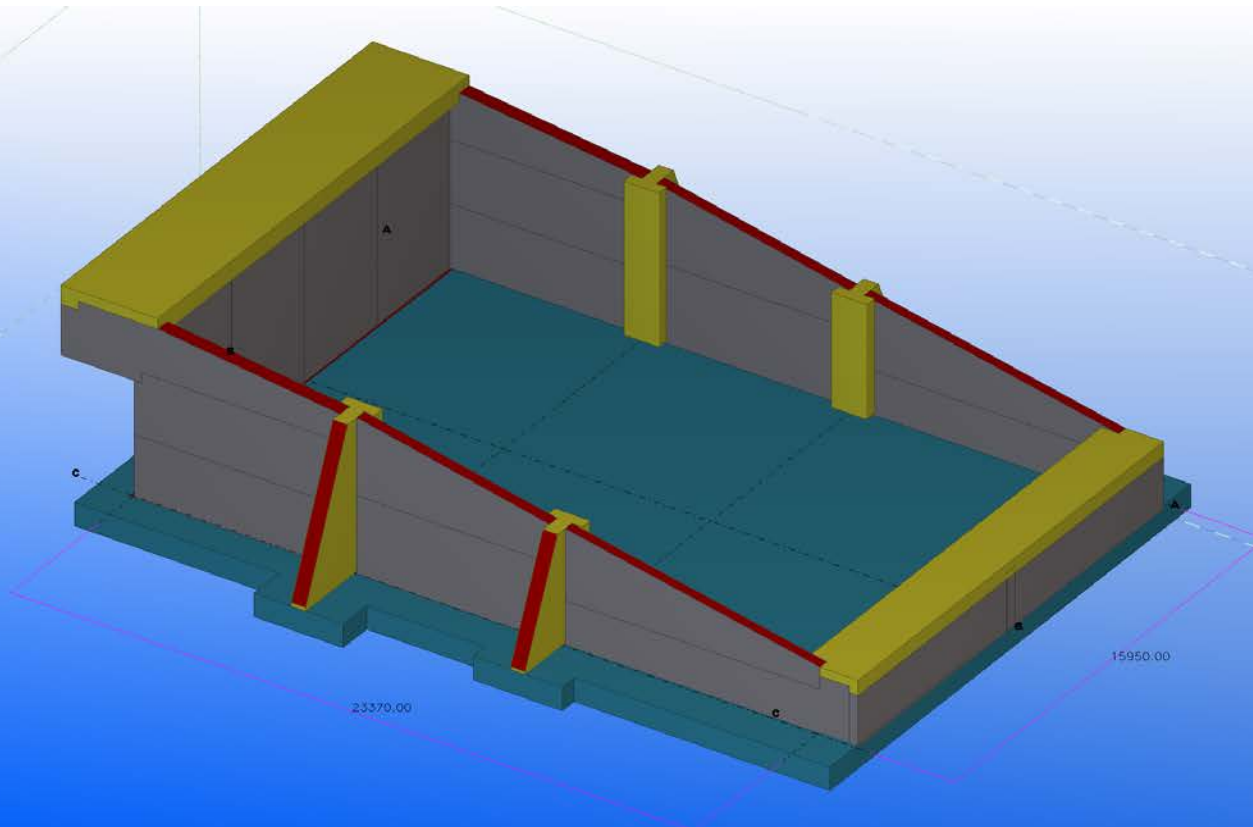


■ Case Study – Intake Structure

Intake Structure – Ft McMurray
23M Long x 16M Wide x 7M Deep
77' Long x 53' Wide x 23' Deep



■ Case Study – Intake Structures

A client required an alternative to a large cast-in-place (CIP) intake structure designed to remain fully submerged in water. Given the project's environmental sensitivity and the need to minimize disturbance to the lake, Amrize proposed a precast concrete solution.

Solution:

Amrize recommended an emulative precast system utilizing off-site fabricated precast columns, beams, and floor slabs. This approach provided several key benefits:

- Minimized lake disruption by reducing on-site construction activity
- Faster installation compared to traditional CIP methods
- All-weather construction capability, allowing work to proceed through winter
- Enhanced durability, with built-in resistance to fire, insects, and mold

By adopting precast construction, the intake structure was completed in significantly less time than a CIP build, reducing environmental impact and meeting the project's stringent site constraints.

**Contact your Amrize representative,
Call 780-485-4500**