

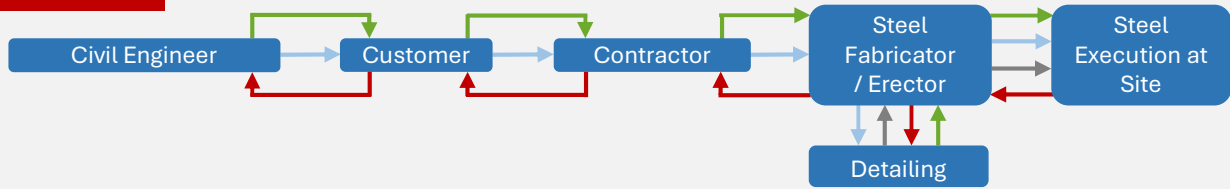


Integrated Civil Engineering and Steel Detailing Services for Civil Structures in Cement Plants

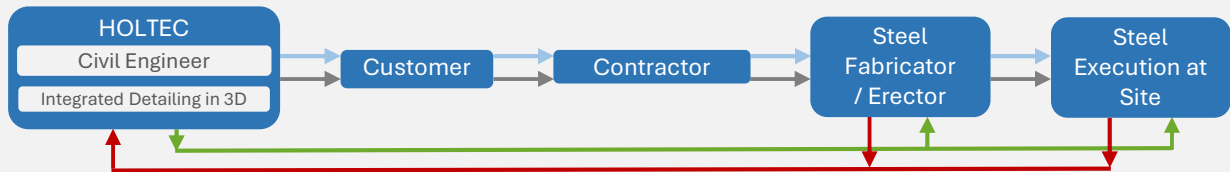
HOLTEC

Typical Flow of Drawings & Information

The Old Way



A Better Way



Legend: → Design Drawings → Fabrication Drawings + BOQ ← Queries → Clarifications

Challenges with “The Old Way”

Inconsistent Quality of Execution

- Imprecise Steel Detailing Drawings made by small detailing firms using 2D software, which may/may not be consistent with the Design Drawings, leading to compromises in Steel Fabrication & Erection quality.

Poor Control of Steel Quantities

- Inaccurate BOQs. Prepared manually from 2D drawings leading to material shortages/surplus, delay, problems in material reconciliation, higher costs from wastage.

Extra Effort & Time Taken in Coordination

- It’s a multi-step, time-consuming process for the detailer to get clarifications on Design Drawings. The engineer will normally not check fabrication drawings, and the detailer may/may not fully understand the Design Drawings.

Solved in “A Better Way”

Highly Improved Quality of Execution

- Accurate, clear fabrication drawings with 3D views, integrated with the Civil Engineering process, leading to high-quality Fabrication & Erection. Quality of drawings similar to what we provide for USA and other advanced countries using Tekla & other specialized software.

Precise Control of Steel Quantities

- Accurate BOQs issued along with the drawings so that material control & reconciliation is perfect. Accurate Advance Bill of Materials provided to order material correctly, on time. All this leads to significantly reduced wastage/costs.

Simple, Efficient Coordination

- First time right, consistent design & fabrication drawings from a single point of contact, leading to smooth execution with very few queries from the site. When queries are there, they can be directly & quickly resolved by our Integrated Civil Engineering & Detailing team.

Given the comprehensive benefits, the “Better Way” should be adopted to detail steel for Civil Structures in Cement Plants.

About Holtec

- Leader in Cement Plant Engineering & Consulting Services, having engineered over 250 new lines
- Executed over 500,000 Tons of Steel Detailing in India, USA and other international markets
- Robust infrastructure, highly trained professionals, ability to execute engineering & detailing projects at scale
- ISO 9001 certified

Holtec Consulting Pvt Ltd
Holtec Centre, A Block, Sushant Lok, Gurgaon 122001, Haryana, India
Ph: +91-124-4047900, Email: info@holtecnet.com
Web: www.holtecnet.com/cssds