

Verify the Basis of Your Designs

Quantapoint provides Certified Tie Points that verify the basis used for design, providing precise information to reduce design time, design clashes and field welds.

Certified Tie Points to Enable a Zero-Defect Design

Correct tie point information is the basis of a Zero-Defect Design™. Design decisions based on incorrect tie point coordinates or flange details will result in significant rework. Quantapoint employs an experienced team of specialists that certify tie point information and embed it in the Digitized Facility™ for use during design. Certified Tie Points are ideal for projects with a number of tie points and a tight schedule. By using Certified Tie Points, Quantapoint clients have been able to decrease design time by 70%, design clashes by 95% and field fit-up welds by 80%.

Precise Starting Points for Design

Certified Tie Points provide the coordinate location of a tie point in the Digitized Facility™ as a starting point for design. Certified Tie Points may be provided as reports or embedded within the Digitized Facility, where they can be accessed directly or within design software. This reduces workload and improves information sharing by eliminating manual extraction of tie point information by each designer and providing the exact same tie point coordinate information to all team members.

Eliminate Rework due to Flange Defects

Design Point Reports provide the same coordinate information as Tie Point Reports, but include flange information, such as size, weight, type, # of bolts, angle between bolts and bolt rotation. This provides more information for design and eliminates flanges at tie points as another potential source of defects.

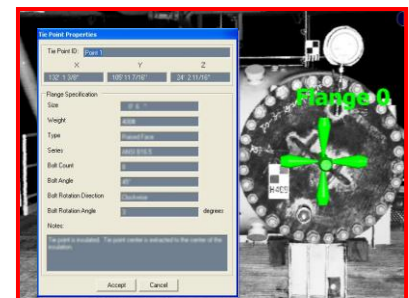
Powerful Capabilities to Decrease Clashes and Field Welds

Quantapoint capabilities for Certified Tie Points include

- ✦ Provide common information to the team
- ✦ Access as reports
- ✦ Compare to original designs
- ✦ Embed in the Digitized Facility

DESIGN POINT REPORT		TP-19
REVISION NUMBER	1	This document lists information for the above mentioned tie point.
TIE POINT INFORMATION		
COORDINATES	FLANGE SPECIFICATION	BOLT ROTATION
6044 8 140	4"	Counter Clockwise
LASTING	FLANGE TYPE	FLANGE SERIES
4710-1 7100	Round Face	ANSI B16.5
ELEVATION	# OF BOLTS	ANGLE BETWEEN BOLTS
635-10 347	8	45°
		BOLT ROTATION REFERENCE DRAWING
		N/A

Certified Tie Point Reports:
Precise Coordinates for Design



Embedded Certified Tie Points:
Common Information for Design

Typical Benefits from using Certified Tie Points

By using Certified Tie Points, Quantapoint clients have typically been able to

- ✦ Reduce field trips by 98% – Eliminate tie point uncertainty
- ✦ Reduce remodeling time by 95% – Access tie points directly instead of time-consuming and error-prone remodeling
- ✦ Decreased design time by 70% – Access a common source of tie point information during design
- ✦ Cut rework from design clashes by 95% – Correct clashes due to tie point errors in new designs
- ✦ Reduce field fit-up welds by 80% – Precise tie points for design

“Previously we would have allowed an adjustment in three directions adding six inches extra at every tie point. This time we cut to the exact dimension required and had less than 1% rework.”

*Project Manager
Major Engineering Company*

Quantapoint Capabilities

Quantapoint provides Digital Facilities™ that improve safety and decision-making for building, managing and upgrading facility assets. We also provide professional services to help companies eliminate preventable project defects. Quantapoint clients have typically been able to beat their program and project budgets and schedules by 15% or more with a greater than 1,000% return on investment.



Contact Quantapoint Today!

Over thousands of projects, Quantapoint has been helping our clients achieve success using Digital Facilities. Our technology and services provide a framework that can improve performance for projects, facilities and across the enterprise and can be customized to meet specific client needs. For more information, please visit www.quantapoint.com or e-mail info@quantapoint.com.

