

Project No. 1 ELECTRICAL CONTROL ROOM



CLIENT: **Various**

LOCATION: **Various**

The client, an industrial facility, required a transportable electrical distribution and control room, with a climate control system, to house electrical switchgear and control systems along with interconnected cabling and all building services.

The building was constructed in an L-shape, 65 feet by 40 feet, with a width of 15 feet and a maximum height of 14 feet (for shipping via road transport). It was designed as three separate assemblies for easier transportation, but constructed as a single unit to allow all electrical equipment, cabling and building services to be re-commissioned prior to delivery. It also was designed to include a two-hour fire rated wall and roof assembly. For maintenance purposes, it had to allow for a clear access of 6 feet in front of the switchgear units and an unobstructed access at the rear.

TCE provided in-house engineering staff for the building design, supported by our engineering partner JNE Consulting Ltd. Fabrication and construction was completed in-house, using TCE qualified steel fabricators, carpenters and electricians. Our fabrication facilities provided continued monitoring and quality control of the process from start to finish.

The design-build method of delivery ensured that any design changes requested by the client during fabrication could be implemented with minimum loss of schedule time. The completed assembly was designed, built, tested and delivered to the client on schedule and within budget.



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