FURANO
PACIFIC CONSULTING

CAPABILITY SHEET
2026

Healthcare and institutional

Engineering for places that do not get to fail

Electrical, mechanical and lighting engineering for healthcare and institutional buildings, designed to CSA Z32, CSA Z317 and the National Building Code, reviewed before issue, and stamped to be defensible with the authority having jurisdiction.

WHAT WE DO

Essential electrical the authority will sign
CSA Z32 essential branch design, generator coordination and transfer switch schemes for clinics, long-term care and healthcare fit-outs in existing buildings.

Lighting designed for clinical work
Lighting levels, colour rendering and circadian considerations for patient care, exam and staff areas, with photometric models behind every space type.

Infection-aware mechanical
Pressurization, air change rates and zoning informed by ASHRAE 170 and the health authority's facility design guidelines.

Built for institutional procurement
We know how to draw, stamp and submit for design-build, integrated project delivery and traditional procurement on health authority and post-secondary projects.

SERVICES

- Electrical engineering (stamped, healthcare-classified spaces)
- Essential electrical systems (CSA Z32)
- Generator and transfer switch design and coordination
- Mechanical engineering (ASHRAE 170)
- Lighting design (clinical, institutional, exam)
- Energy modelling (BCBC, NECB, LEED for healthcare)
- Code consulting (BCBC, NBCC, health authority design guidelines)
- Existing building assessments (clinical retrofits)
- Construction administration
- Power system modelling and arc flash

WE LEAD WITH

Clinical and long-term care fit-outs
Tenant improvement and conversion projects for clinical spaces, designed to operate inside existing essential electrical infrastructure.

Institutional ground-up
Multi-discipline electrical and mechanical design for recreation, civic and education buildings, in coordination with the architect of record.

Health authority compliant retrofits
Plant room upgrades, generator additions and transfer switch modernizations on operating campuses, planned around 24/7 operations.

WHY OWNERS HIRE US

- We design to CSA Z32, ASHRAE 170 and your health authority's facility design guidelines from day one, not as a checklist applied at the end.
- We coordinate with the architect's existing consultant team. We arrive to integrate, not to replace.
- Every deliverable is reviewed by a second engineer before it is issued. A healthcare submission is the worst place for a missed reference.
- Phased work plans on operating campuses. The patient-care floor cannot be the schedule risk.