



Restoration Hardware



Costco Redmond



Spring Street North Block



1300 West Marine View Drive

Precast Connections

DEI performs design and analysis of precast concrete elements to be used as cladding panels, staircases, and other architectural components. We coordinate construction sequencing and the primary structure's capacity. DEI's design ensures strength of the precast element as well as the subsequent design of the connections to the main structure.

- Kirkland Urban – Kirkland, WA
- Asian Art Museum of Seattle – Seattle, WA
- Northgate Sound Transit Station – Seattle, WA
- Cardinal Union Middle School – Seattle, WA
- Univ. of Washington North Campus Student Housing – Seattle, WA
- Village at Chambers Bay – University Place, WA
- Sound Transit East Link Connection – Bellevue, WA
- Microsoft Building 42 – Redmond, WA
- First United Methodist Church – Seattle, WA
- Bennett Elementary School – Bellevue, WA
- Seattle Fire Station #22 – Seattle, WA
- N-Habit Eastlake – Seattle, WA
- Washington State History Museum – Tacoma, WA
- Costco Warehouse – Redmond, WA
- Restoration Hardware – Seattle, WA
- Village at Sammamish – Sammamish, WA
- Hawkins Middle School – Belfair, WA
- Valley Catholic School – Beaverton, OR

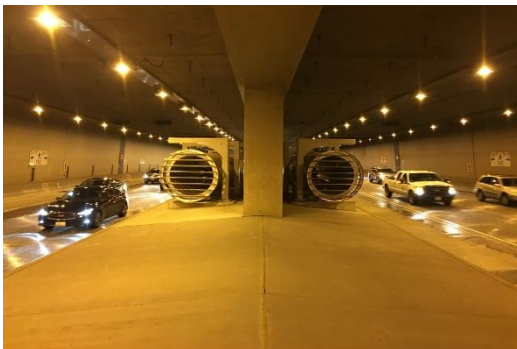
Structural Steel Stairs

DEI provides structural design and analysis of steel stairs to be installed within new and existing buildings. We provide connection details and analysis of the steel assemblies based on the fabricator and architect's specifications.

- University of Washington Exterior Stairs – Bothell, WA
- 1300 West Marine View Drive Feature Stairs – Everett, WA
- Esterra Park Block 8 Interior Stairs – Redmond, WA
- Salal Credit Union Building Interior Stairs – Seattle, WA
- Spring Street North Block Interior Stairs – Seattle, WA
- 910 John Street Lofts Interior Stairs – Seattle, WA
- Sedona Holdings Stair Tower – Seattle, WA
- Plaza Apartments Interior Stairs – Kirkland, WA
- Heronfield Shoring Stabilization – Kirkland, WA



Brightwater Treatment Plant



Mount Baker Tunnel



Heronfield Shoring Stabilization



Private Residence

Mechanical Electrical Plumbing (MEP) Supports

DEI performs code level gravity, wind, and seismic analysis on MEP systems. Our scope includes units mounted to the roof, ceiling, wall and floor systems for commercial, public, medical and educational facilities. The building structures we connect to typically consist of steel, concrete, wood and or CMU. Units include but are not limited to free standing systems or distribution networks for pipes and cable trays.

- Brightwater Treatment Plant – Maltby, WA
 - UPS Seismic Anchorage
 - Elevated Cable Support
 - Digester Tank Cable Tray Anchorage
- Interstate 90 Tunnel – Seattle, WA
 - Electrical Equipment Anchorage
 - Center Fan Room Anchorage
 - Medium Voltage Support Rack
- Seatac Airport Terminal Expansion – Seatac, WA
- SR 520 WA DOT Cabinet Anchorage – Bellevue, WA
- 8 to 8 Dental 8 HVAC Platforms – Seattle, WA
- Emerald Pediatric Monitor Support – Lynnwood, WA
- Fred Hutch Yale Building Terminal Support – Seattle, WA

Soil Shoring Systems

DEI performs cantilever and tieback soldier pile wall design for steel contractors, architects, and subcontractors. Our scope includes design of the piles, embedment depths, and tieback anchors, along with full scale design drawings for pile elevations, layout, and pile schedules.

- Main Street Shoring – Kirkland, WA
- Caydon Trinity Shoring – Seattle, WA
- Hu Mixed-Use Development – Bellevue, WA
- Earlington Townhomes – Renton, WA
- NW 17th & Kearney Townhomes – Portland, OR
- Crestwood Plaza Parking Garage – Bellevue, WA
- University of Washington 20th Ave Apartments – Seattle, WA
- He Residence – Bellevue, WA
- Private Residence – Mercer Island, WA
- Nice Residence – Mercer Island, WA
- Heronfield Shoring Stabilization – Kirkland, WA



Park Lane Roof Shoring



Pass Life



Sixty-01 Slab Decay



Bergen Apartments Stair Review

Temporary Building Shoring

DEI provides quick response and temporary shoring design for emergency projects for all building components and material types. Our scope includes a site visit to identify instabilities and damage and then provide recommendations for safe and efficient engineering solutions.

- Connell Residence Slide Repair – Mercer Island, WA
- Chez Noui Condominiums Deck Repairs – Seattle, WA
- Washington Shores Condominiums Deck Repairs – Kirkland, WA
- Artesia Clubhouse Remodel Framing Support – Everett, WA
- Park Lane Emergency Roof Shoring – Kirkland, WA
- Pass Life Snow Slide Damage & Rot Repair - Snoqualmie Pass, WA
- Valley View Apartments Elevated Walkway Support – Seattle, WA
- Bay Vista Estates Deck Repairs – Kirkland, WA
- Canaan Condominiums Rot Repair – Lake Forest Park, WA
- Pagliacci Pizza Floor Support – Seattle, WA
- Cloverdale Beam Repair – Seattle, WA

Damage Assessments, Evaluations and Repairs

DEI performs structural evaluations of all types of existing building structures. This scope of work often includes document review, intrusive and non-intrusive on-site investigation.

- 5000 Fauntleroy Roof Deck Review – Seattle, WA
- Avalon Bay Stair and Guardrail Repair – Bellevue, WA
- Bergen Apartments Stair Repair – Issaquah, WA
- Chase Bank Vehicle Damage – Burien, WA
- Jamison Residence Tree Damage – Bothell, WA
- Kiley Court Building G Deck & Guardrails – Everett, WA
- Lakeside Residence Fire Damage – Lakewood, WA
- Rose Hill Plaza Sheathing Decay – Kirkland, WA
- Rosewood Apartments Fire Loss – Spokane, WA
- Snohomish Storage Fire Loss – Snohomish, WA
- Sundance Apartments Fire Damage Review – Lakewood, WA
- US Bank Truss Decay – Kenmore, WA
- Yarrowood Fire Loss – Bellevue, WA
- Sixty-01 Condominiums Slab Decay – Redmond, WA