

Building Design Philosophy

Design Philosophy Statement

General Design

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| Building Name: | |
| Address: | |
| Legal: | |
| Development Type: | |
| Applicable Building Code: | |
| Building Design Life: | |
| Number of Storeys: | |
| Number of underground levels: | |
| Types of construction: | |
| Geology: | |

Hazard: Flooding

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|---|--|
| Closest water body: | |
| Next closest water body: | |
| Primary type of flooding: | |
| Flood Construction Level (FCL): | |
| Flood Adaptation and Resiliency Elevation (FARE): | |
| Maximum Design Groundwater Elevation (MDGE): | |
| Waterproofing/tanking system: | |
| Existing grades: | |
| Main Floor EL.: | |
| Parkade Ramp Entry EL.: | |
| Slab-on-grade EL.: | |
| Sewer connection El.s: | |

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| Vent shaft rim El.s: | |
| Sump rim El.s: | |
| Below-grade penetrations: | |
| Other connections to sewer/ground? | |
| Electrical room above FCL? | |
| Backup generator above FCL? | |
| Emergency power duration? | |
| Elevator Water Sensor? | |
| Pull Pit Water Sensor? | |
| On-site power generation? | |

Hazard: Seismic

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| Seismic Zone: | |
| PGA: | |
| Climate Data Reference: | |
| Intended performance during 1:475 earthquake: | |
| Intended performance during 1:2475 earthquake: | |
| Philosophy for any permanent groundwater cutoff structures: | |

Hazard: Slope Stability

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| Design intent: | |
| Hazard from above: | |
| Hazard below: | |
| Governing failure mechanism: | |
| Monitoring requirements and triggers: | |

Building Design Philosophy

Intent of Design Team for future upgrades:

Record Design Team

| Discipline | Firm | QP of Record | Other Key Individual |
|----------------------------|------|--------------|----------------------|
| Architect | | | |
| Code Consultant | | | |
| Structural Engineer | | | |
| Mechanical Engineer | | | |
| Civil Engineer | | | |
| Electrical Engineer | | | |
| Geotechnical Engineer | | | |
| Building Envelope Engineer | | | |
| Environmental Engineer | | | |
| Landscape Architect | | | |