Conceptual Design

Bellingham Public Schools New District Office

Design Advisory Committee
September 22, 2020

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1.	Introductions	10 min
2.	Building Design Review	20 min
3.	Interior Layout & Approach	35 min
4.	Break	5 min
5.	Sustainability Discussion	10 min
	‡ Break-out group	15 min
	‡ Break-out reporting	15 min

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Vision & Goals Review

Building Design

Site Option 2

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- Relocated access road allows more site area
- More landscaped area provided
- Building entry on east side
- Better visual orientation to building entry
- More interesting building form

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Building Design Options

Massing Model

Option 1

Option 1

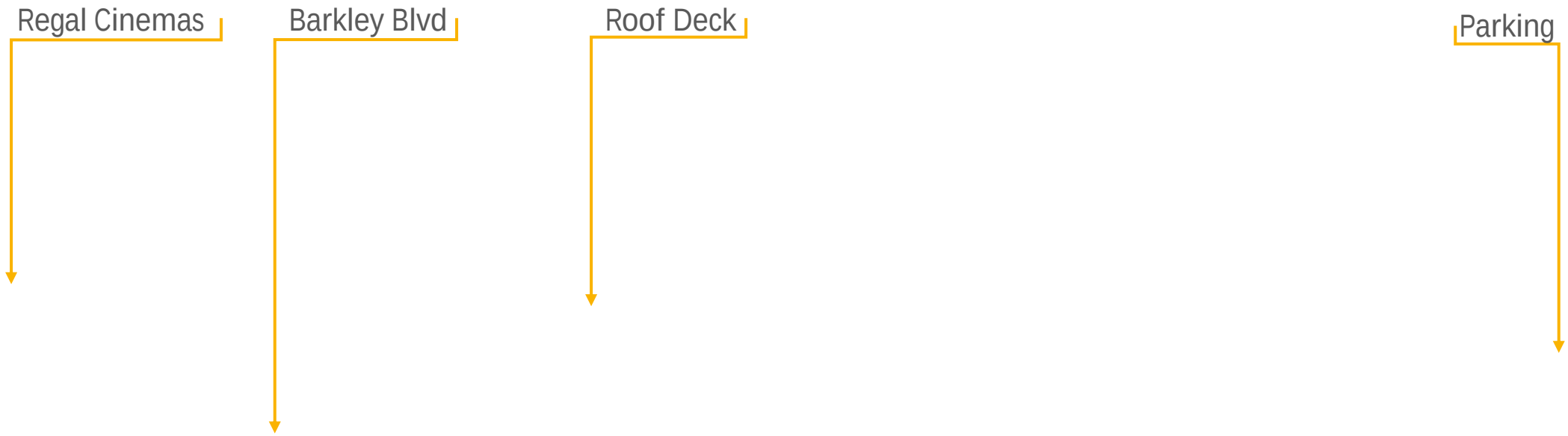
Option 1

Option 1

Option 2

Option 2

Site Option 3 Section



Street Edge

2

1

Street Edge

Site Arrival

2

1

Site Arrival

Visibility

2

1

Visibility

Conceptual Space Plans

How does our Space Planning approach align with our goals?

Community and Connection – *a welcoming space that brings our staff, students, families, and community partners together*

- Reception front and center, first thing a visitor sees
- Family Engagement and meeting space close by to serve distraught families when occasions arise
- Entry to ELC from atrium, visibility of children
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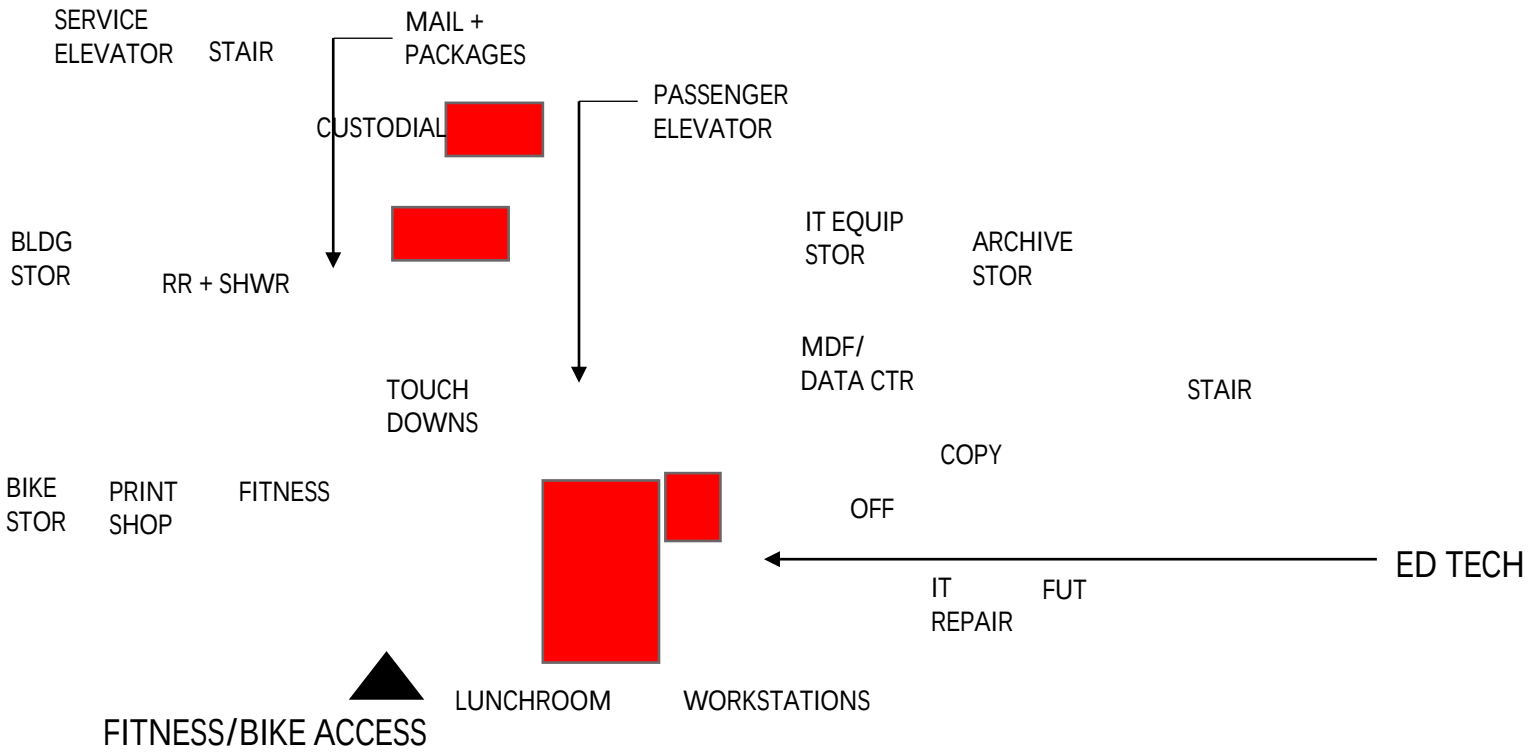
Conceptual Space Plan Lower Level



KEY CODE

- Core elements
- Public circulation
- Conference Center
- Staff workspace
- Meeting or Focus
- Design opportunity

Sustainability Strategy

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Menu

Sustainability

‡ Provide connections to public transportation and bicycle lanes / trails

‡ Provide electric vehicle charging stations

‡ Divert construction waste from landfill

‡ Minimize building footprint

‡ Reduce heat islands (high reflectance) at site and roof surfaces

‡ Reduce light pollution (minimize light trespass, utilize sensors / timers)

‡ Provide drought-tolerant native landscaping to reduce irrigation water use

‡ Reduce potable water use at building interior with water-efficient fixtures

‡ Provide stormwater management / Low-Impact Development (LID) practices

‡ Utilize recycled content in building materials

‡ Utilize local / regional materials

‡

Energy

‡ Provide occupant sensors and daylight-responsive lighting controls

‡ Provide daylighting for occupied spaces

‡ Provide enhanced commissioning of building systems prior to occupancy

‡ Reduce energy loads in heating and cooling system beyond code requirements

‡ Provide opportunities for natural ventilation

‡ Provide HVAC controls that enable individual occupant comfort

‡ Explore opportunities for renewable energy (solar hot water / photovoltaics)

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Green

Health

‡ Provide access to outdoor views for building occupants

‡ Provide HVAC filtration to minimize indoor pollutants

‡ Specify low-VOC and low-emitting fixtures and finishes

‡ Implement construction-phase indoor air quality management plan

‡ Provide staff shower and changing facilities

‡ Establish and implement a tobacco- and smoke-free policy

‡ Provide secure and covered (or interior) bicycle storage

‡ Provide permanently-installed shading devices at building exterior

‡ Provide tunable (color-adjustable) lighting fixtures

‡ Implement a cleaning protocol for occupied spaces

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Green indicates project goals or code

Wellness

‡ Provide a publicly-accessible use at the ground floor level

‡ Provide stairways connecting all building floors, locate in a prominent position

‡ Orient main building entrance towards an outdoor pedestrian area

‡ Provide prominently-located water bottle filling stations for building occupants

‡ Provide on-site lactation room

‡ Provide dedicated spaces for mindfulness t break, exercise, and quiet rooms

‡ Incorporate biophilic-design strategies t provide connections to nature

‡ Provide regular occupants access to outdoor amenities (gardens)

‡ Incentivize transit use

‡ Provide educational signage promoting stair use at all elevator landings

‡ Provide and promote active workstations for building occupants

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Stewardship

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Discussion Topics

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‡ Reduced energy usage? (Mechanical equipment and lighting fixtures that outperform code requirements)

‡ Solar energy production? (Rooftop solar photovoltaics)

‡ Sustainable materials? (High-recycled content or renewable resources)

‡ Natural ventilation? (Occupant-controlled windows)

‡ Biophilic-design? (Bringing nature in, providing connections and views out)

‡ Local / regional materials? (Promoting local economy)

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Next Steps