Corvallis SCHOOL DISTRICT

DRAFT DESIGN PRINCIPLES

OPERATIONS

BUILDING SYSTEMS

Building systems will provide energy efficient solutions that consider appropriate site specific response, building zoning and local control. District standards for building systems shall consider ease of use and maintainability.

Considerations:

- Lighting controls, HVAC, security, intercoms, technology
- Standardization & reliability; serviceability with local support
- Interior lighting controlled by occupancy sensors
- Phantom load management
- Healthy indoor air quality and circulation
- Minimize life cycle costs
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Each school should implement energy efficient systems with consideration for alternate and renewable energy sources. Inclusion of energy consumption and production monitoring tools to enhance learning, should be accessible to students, staff and community.

Considerations:

- Consider solar ready design at roofs and site
- Plan for use of 1 ½% solar requirement
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Corvallis SCHOOL DISTRICT

DRAFT DESIGN PRINCIPLES

OPERATIONS

FACILITIES & GROUNDS

Schools should provide community access to flexible, multi-use spaces throughout the year. These spaces should provide building system zoning that can be locally controlled for after hours use as well as portioned for secure access.

Considerations:

- Community or partner access to classrooms
- Connectivity to community for example disaster preparation
- Compartmentalize school space (better community access)
- Ease of use for students, faculty, parents, community
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Exterior site and landscape design should incorporate solutions that are easy and efficient to maintain. Landscape design should prioritize low maintenance selections that are native and appropriate to this region, resilient to weather extremes, and require little to no additional irrigation.

Considerations:

- Easy to maintain and clean
- Support curriculum opportunities
- Support improved water quality, reduced runoff, porous pavement
- Support safety objectives
- Create connections between indoor and outdoor spaces
- Play structures that are easy to maintain, sharable, accessible, loud and quiet areas, option for covered areas, imaginative areas

Corvallis SCHOOL DISTRICT

DRAFT DESIGN PRINCIPLES

OPERATIONS

IN SUPPORT OF TEACHING & LEARNING

The technology infrastructure of each school should be designed to provide a reliable network and audio/visual connections for teaching, learning, communications and community use.

Considerations:

- Flexibility in the design for technology not yet invented
- Ease of use and standard components
- Supportive of learning and students needs
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Design of building systems should incorporate thermal comfort, air quality, acoustics and lighting that support well-being, optimal learning and productivity.

Considerations:

- Flexibility in the design for technology not yet invented
- Ease of use and standard components
- Supportive of learning and students needs
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Corvallis SCHOOL DISTRICT

DRAFT DESIGN PRINCIPLES

OPERATIONS

IN SUPPORT OF TEACHING & LEARNING

Flexible and adaptable design options should be considered for common use spaces, classrooms and student learning areas. Solutions shall support the district's core values for educational design and enhance student's learning opportunities.

Considerations:

- Living classrooms, for example bring the outside in with gravel floors and plants
- Review fixed café furniture vs. flexible, varied use furniture
- Flexible and future-ready technology
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STANDARDIZATION

Design should consider traffic, parking and site circulation that reduces conflicts, enhances safety and meets the needs of both the community and school.

Considerations:

- Address safety, security, accessibility, deliveries, student transportation loading areas, maintenance, access and connections to the community
- Bus, bike, skate walk to school, includes supporting framework for less cars, enhance opportunities by providing covered bike parking and adequate storage for bike helmets, skateboards and rain gear
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Corvallis SCHOOL DISTRICT

DRAFT DESIGN PRINCIPLES

OPERATIONS

STANDARDIZATION

District wide standards will be implemented for continuity, ease of maintenance and cost efficiencies

Considerations:

- Maintainability - can it be easily cleaned, repaired, maintained
- Durability - low maintenance, hardworking and long-lasting selections
- Consider the cost to operate, maintain and replace
- Design for function and durability - is it “kid-tested”? Is the door wide enough for deliveries on pallets?
- Ease of use for security access and keying
- Standards in security protocols; simple, understandable
- Accessibility - go beyond code standard for more inclusive solutions
- Sustainability in purchasing - supplies, cleaning products
- Standardize replacement items throughout all district facilities
- Low toxicity cleaning products
- Building materials should be low emitting of VOC and support indoor air quality
- Multiple access points to disarm security
- Storage - supports learning, supports alternative transportation options (bike, etc) streamlines maintenance, supports flexible use, dispersed, specific and non-specific needs
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