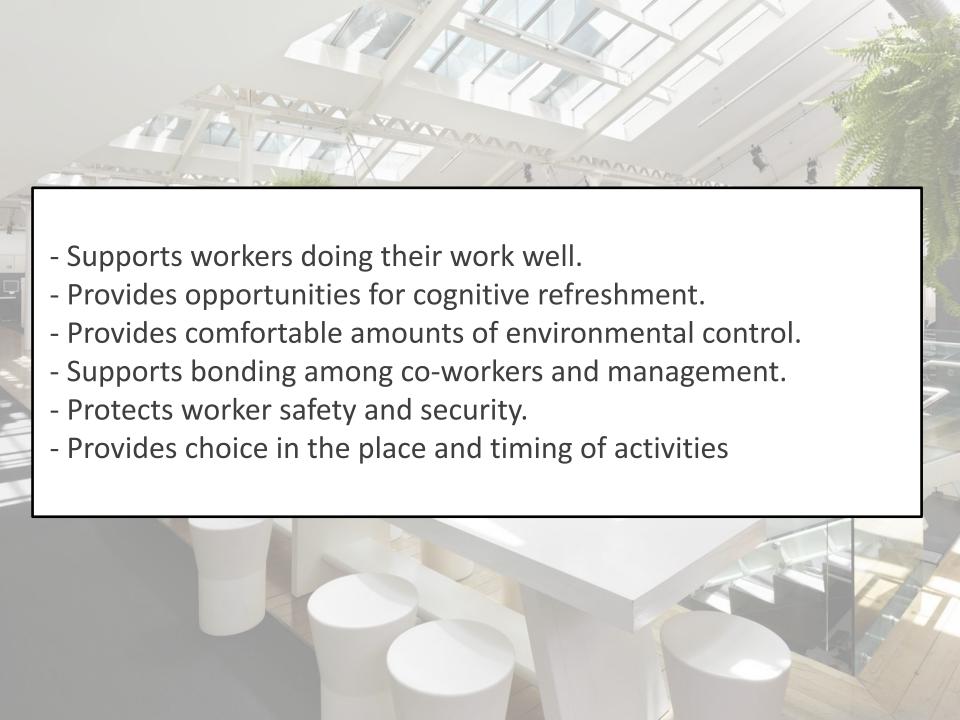


WELL-BEING

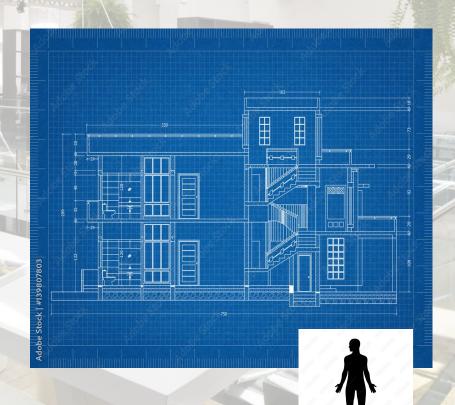
"The state of positive mental, physical, and social functioning in which workers' experiences of their work and working conditions enable them to thrive in their overall lives, contributing to their ability to achieve their full potential in their work, home, and community."

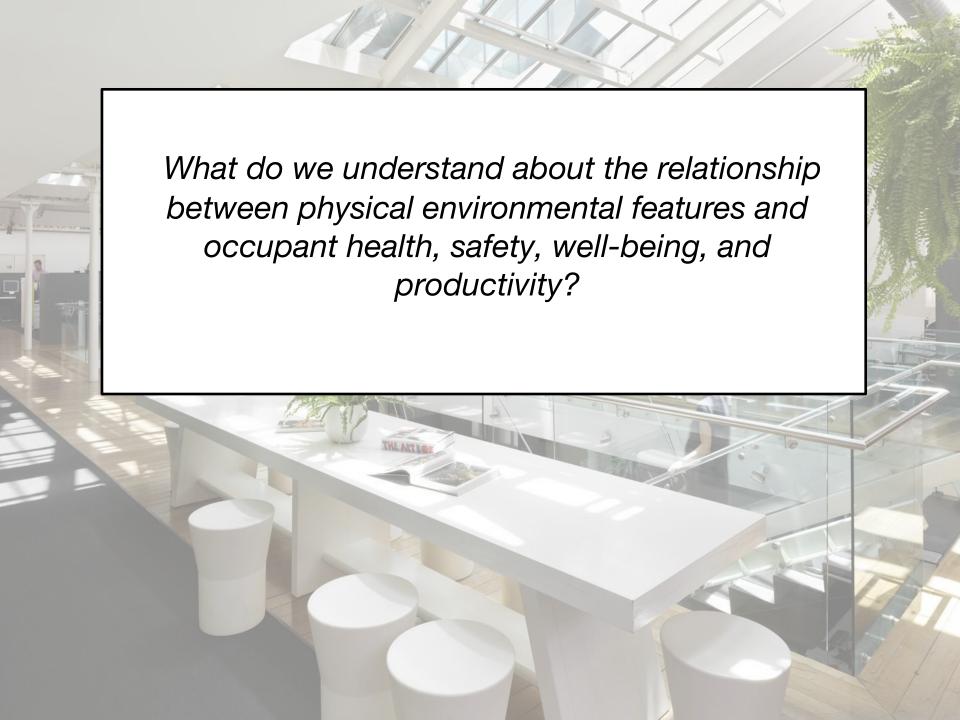
Peters SE, Sorensen G, Katz JN, Gundersen DA, Wagner GR. Thriving from Work: Conceptualization and Measurement. Int J Environ Res Public Health. 2021 Jul 5;18(13):7196. doi: 10.3390/ijerph18137196. PMID: 34281131: PMCID: PMC8296939.



Architects build these: Workers see this:









- -- Architecture and Design
- -- Environmental Psychology
- -- Industrial-Organizational Psychology
- -- Engineering & Technology
- -- Occupational Health
- -- Business Administration
- -- Public Policy



Architecture & Design + Environmental Psychology

Feature	Risks	Health-Promoting, Protection
Building	Toxic chemicals,	Natural materials, low carbon, non-toxic
materials	materials	
Windows,	Lack of daylight,	Sunlight, circadian lighting, views of
views	prospecting, glare	nature
Stairs,	Lack of physical	Strategic placement of stairs & walkways
walkways	activity, noise from	to promote physical movement, peripheral
	foot traffic,	navigation
	compromised	
	privacy	
Square	Location of number	Easy access, purpose-designed spaces,
footage, floor	and type of work	adequacy for work/non-work needs
buildout	spaces,	
	adjacencies	

Technology + Engineering

Feature	Risks	Health-Promoting, Protection
Internal	Melatonin activation	Circadian light change, blue light for
Lighting	during work,	work, red/orange for social/end of work
	fluorescent	
Air,	Polluted, dead air,	UV light in HVAC, fresh air exchange,
Ventilation	contaminants	comfortable air flow
Sound, Noise	Excessive, intelligible	Sound disruption technology, natural
	speech interruption	sounds, white noise
Temperature,	Fluctuating, outside	Sensor control optimization, zone
Humidity	comfort, lack of	control, temperature & humidity
	control	monitoring and mediation
Smells	Mold, mildew,	Natural smells, just noticeable
	chemical	
Sensors	Privacy concern,	Zone control optimization, space
	surveillance	availability

Occupational Health + Public Policy

Feature	Risks	Health-Promoting, Protection
Furniture	III-fitting,	Ergonomic, adjustable, comfortable,
	uncomfortable,	activity-driven, universal design
	inflexible	
Equipment	Lack of assists, difficult	Human-centered, accessible, easy to
	to use, broken	use, maintained
Safety &	Physical hazards, lack	Safety controls, hazards removed, easy
Security	of warnings/protections	access to safety, transparency, privacy
Space	Open, unmonitored	Access protected, multi-factor
access		assurance
Compliance	Absence of monitoring	Surveillance, detection, automated
		reporting

I-O Psychology + Business Administration

Feature	Risks	Health-Promoting, Protection
Work spaces	Insufficient space, noisy, location conflict	Activity-based, sufficient amount, flexibility of use, provisioned as needed
Work seating	Hoteling, open space, lack of privacy, high density	Private, quiet for focus work, neighborhoods, team-based, stable assignment, sufficient space, adjacent to amenities
Non-work	Adjacent to work	Sequestered, targeted areas, inviting
seating	areas, absence of socializing space, uncomfortable, insufficient amount	space, sufficient amount, comfortable social arrangements, natural collection points
Healthy food	Absence of facilities	Facilities for on-site food service, access to healthy food 24/7
Electronic	Unreliable WIFI,	Reliable WIFI, maintained and
support	unreliable communication networks	functioning electronic equipment, reliable and easy to use communication media









". . . policies, programs, and practices that integrate protection from work-related safety and health hazards with promotion of injury and illness-prevention efforts to advance worker well-being."

https://www.cdc.gov/niosh/twh/about/index.html



Issues Relevant to Advancing Worker Well-Being Using *Total Worker Health*® Approaches

Prevention and Control of Hazards and Exposures

- Biological Agents
- Chemicals
- Ergonomic Factors
- Physical Agents
- Psychosocial Factors
- · Risk Assessment and Management

Built Environment Supports

- Accessible and Affordable Health Enhancing Options
- Clean and Equipped Breakrooms, Restrooms, and Lactation Facilities
- · Healthy Workspace Design and Environment
- Inclusive and Universal Design
- · Safe and Secure Facilities

Community Supports

- Access to Safe Green Spaces and Pathways
- Healthy Community Design
- Safe and Clean Environment (Air and Water Quality, Noise Levels, Tobacco-Free)
- Safe, Healthy, and Affordable Housing Options
- Transportation and Commuting Assistance

Compensation and Benefits

- Adequate Wages and Prevention of Wage Theft
- Affordable, Comprehensive, and Confidential Healthcare Services
- Chronic Disease Prevention and Management Programs
- Continual Learning, Training, and (Re-)Skilling Opportunities
- · Disability Insurance (Short- and Long-Term)
- Employee Assistance and Substance Use Disorder Programs
- Equitable Pay, Performance Appraisals, and Promotions
- Minimum Guaranteed Hours
- Paid Time Off (Sick, Vacation, Caregiving, Parental)
- Prevention of Healthcare Cost Shifting to Workers
- Retirement Planning and Benefits
- · Work-Life Programs
- · Workers' Compensation Benefits

Healthy Leadership

- Collaborative and Participatory Environment
- Corporate Social Responsibility
- Responsible Business Decision-Making
- Supportive Managers, Supervisors, and Executives
- Training
- Worker Recognition, Appreciation, and Respect

Organization of Work

- · Adequate Breaks
- · Comprehensive Resources
- Fatigue, Burnout, Loneliness, and Stress Prevention
- · Job Quality and Quantity
- Meaningful and Engaging Work
- Safe Staffing
- · Work Intensification Prevention
- Work-Life Fit

Policies

- Elimination of Bullying, Violence, Harassment, and Discrimination
- Equal Employment Opportunity
- · Family and Medical Leave
- · Human and Natural Resource Sustainability
- Information Privacy
- Judicious Monitoring of Workers and Biomonitoring Practices
- Optimizing Function and Return-to-Work
- Prevention of Stressful Job Monitoring Practices
- · Reasonable Accommodations
- Transparent Reporting Practices
- · Whistleblower Protection
- · Worker Well-Being Centered
- Workplace Supported Recovery Programs

Technology

- · Artificial Intelligence
- Robotics
- Sensors

Work Arrangements

- Contracting and Subcontracting
- Free-Lance
- · Global and Multinational
- Multi-Employer
- Non-Standard
- Organizational Restructuring, Downsizing, and Mergers
- · Precarious and Contingent
- Small- and Medium-Sized Employers
- Temporary
- Unemployment and Underemployment
- Virtual

Workforce Demographics

- Diversity and Inclusivity
- Multigenerational
- · Productive Aging across Lifecourse
- · Vulnerable Workers
- Workers with Disabilities



Prevention and Control of Hazards and Exposures

- Biological Agents
- Chemicals
- Ergonomic Factors
- Physical Agents
- Psychosocial Factors
- Risk Assessment and Management

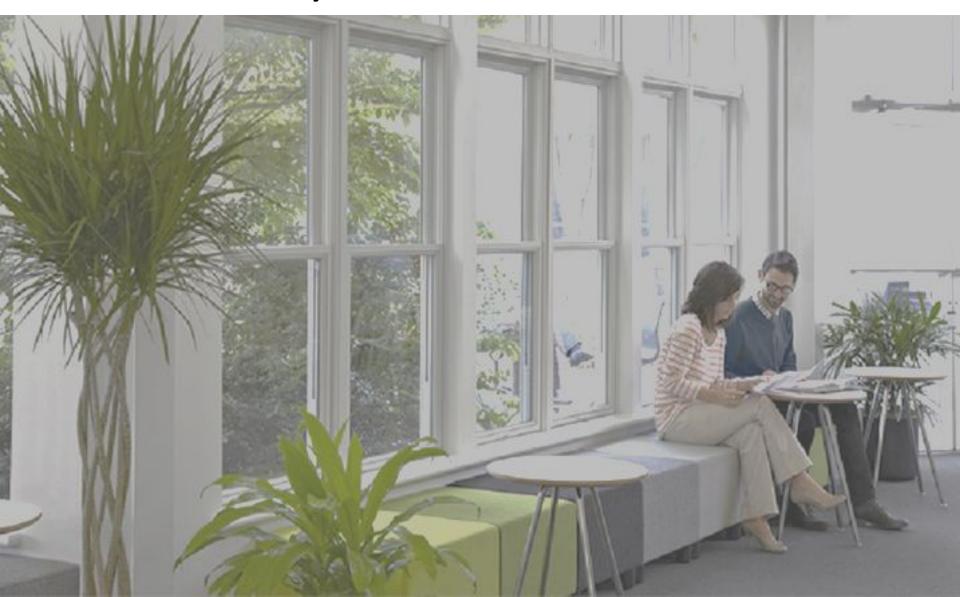
Built Environment Supports

- Accessible and Affordable Health Enhancing Options
- Clean and Equipped Breakrooms, Restrooms, and Lactation Facilities
- Healthy Workspace Design and Environment
- Inclusive and Universal Design
- Safe and Secure Facilities

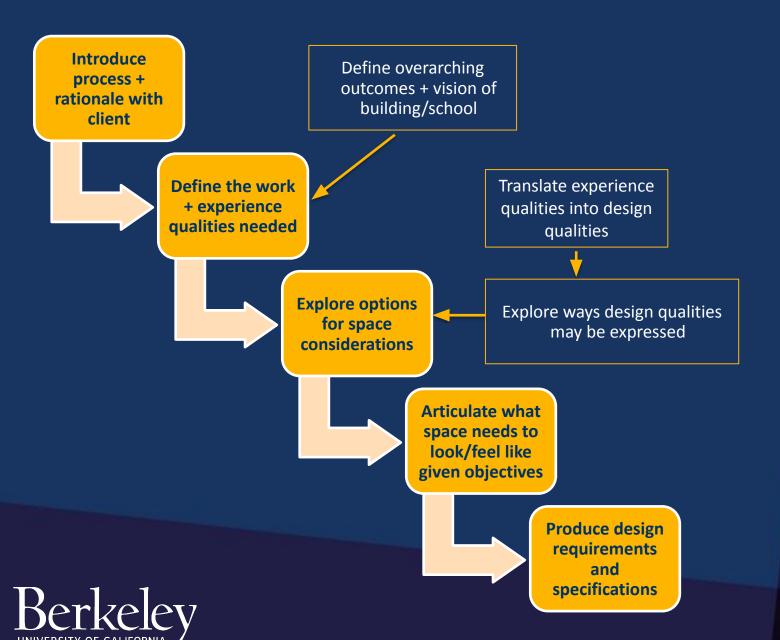
Community Supports

- Access to Safe Green Spaces and Pathways
- Healthy Community Design
- Safe and Clean Environment (Air and Water Quality, Noise Levels, Tobacco-Free)
- Safe, Healthy, and Affordable Housing Options

A Demonstration: The Hobby School of Public Affairs



Hobby Design Prework Process



Design Prework Overview

Review + sign off by client & contractor

What work needs to be done & how it should be done

Design requirements and specifications to achieve objectives

Final Design & Layout signed off and ready to build





Experience qualities that best support activities

Design by contractor

Design Options

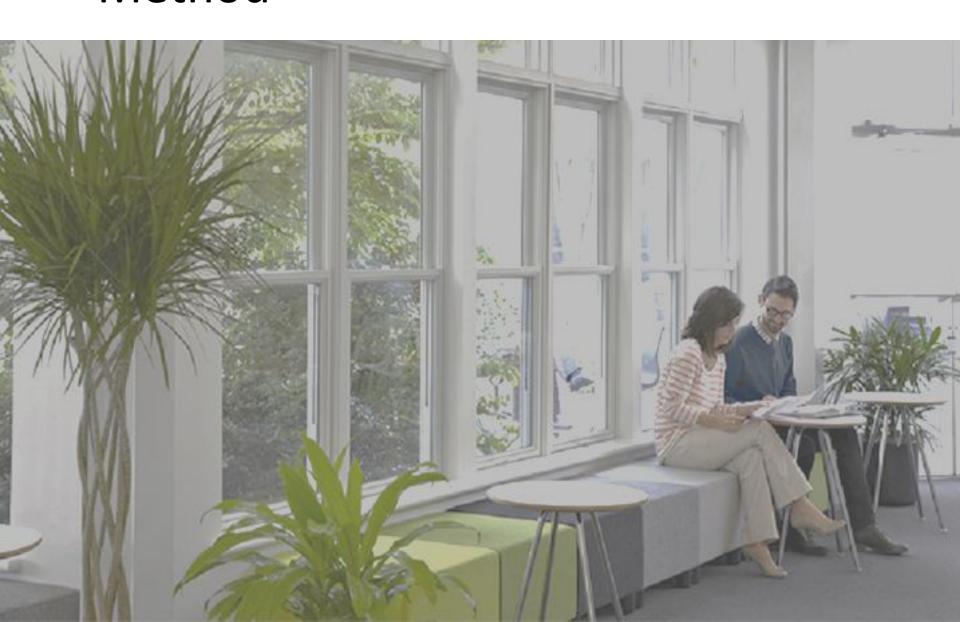
+

Building Options

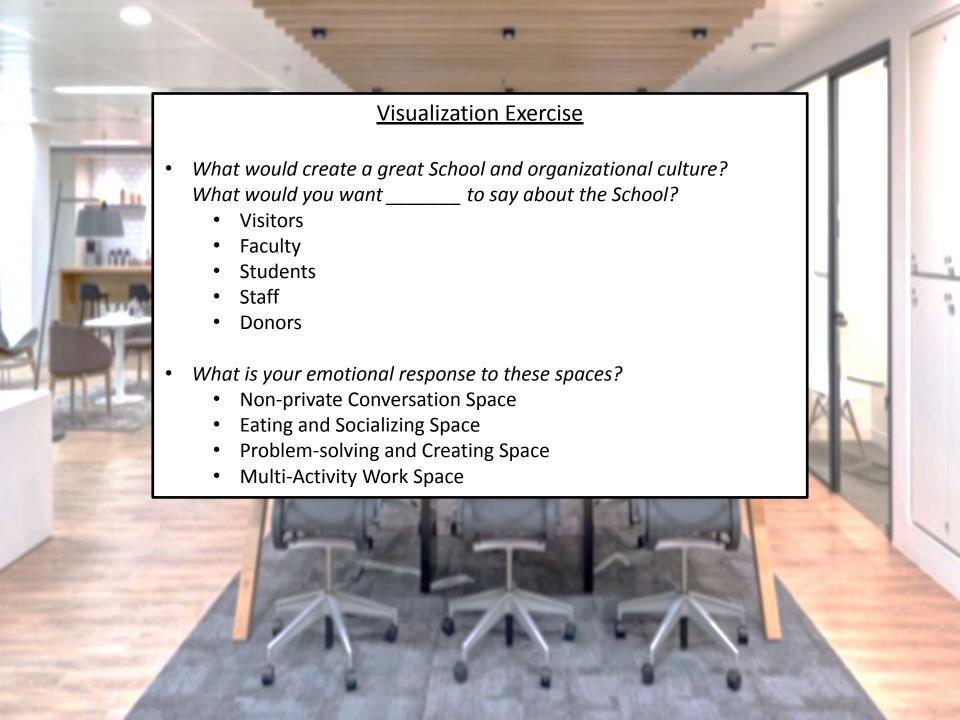


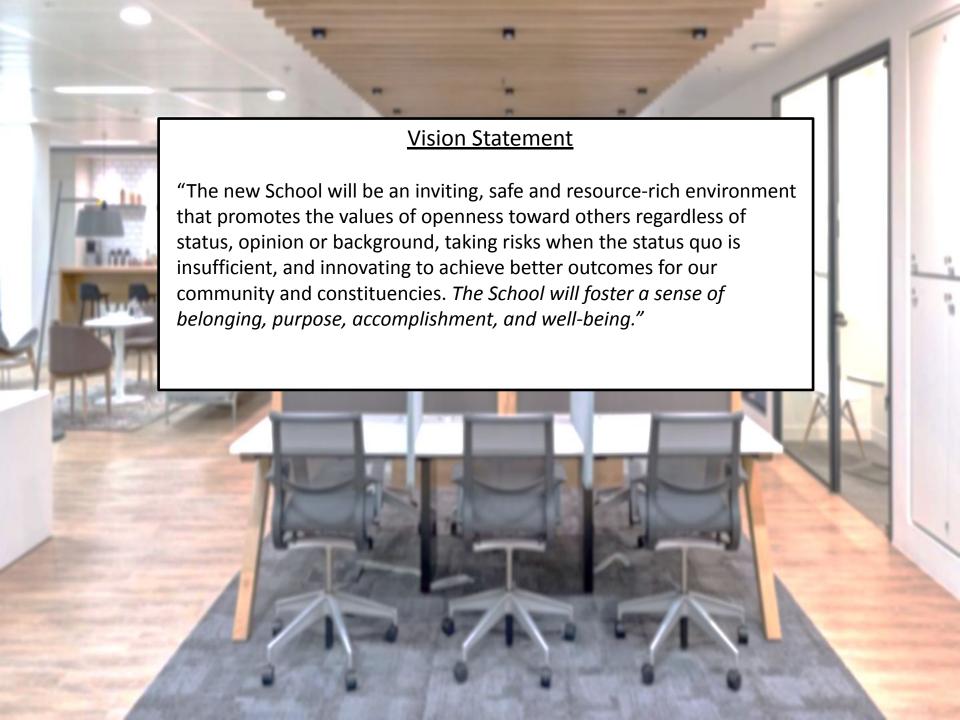
Design pre-work by client

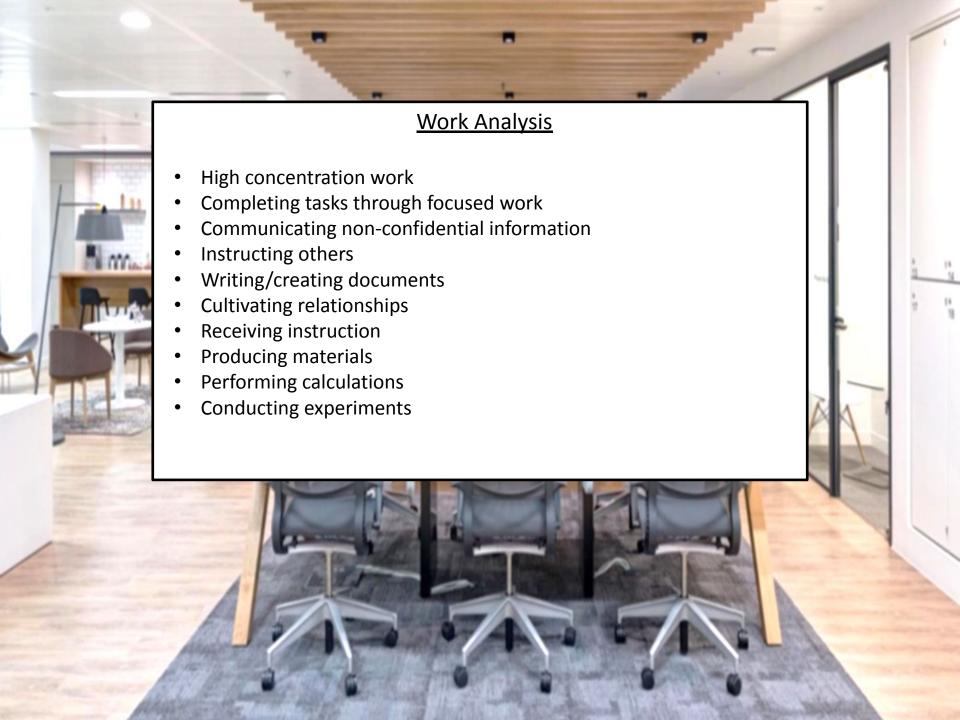
Method

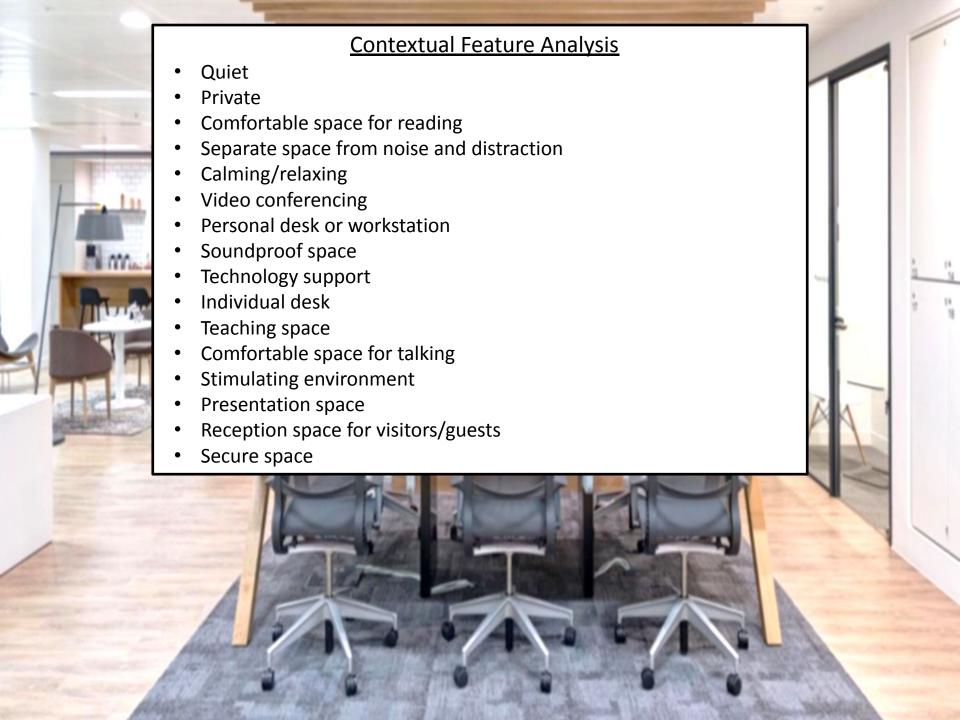


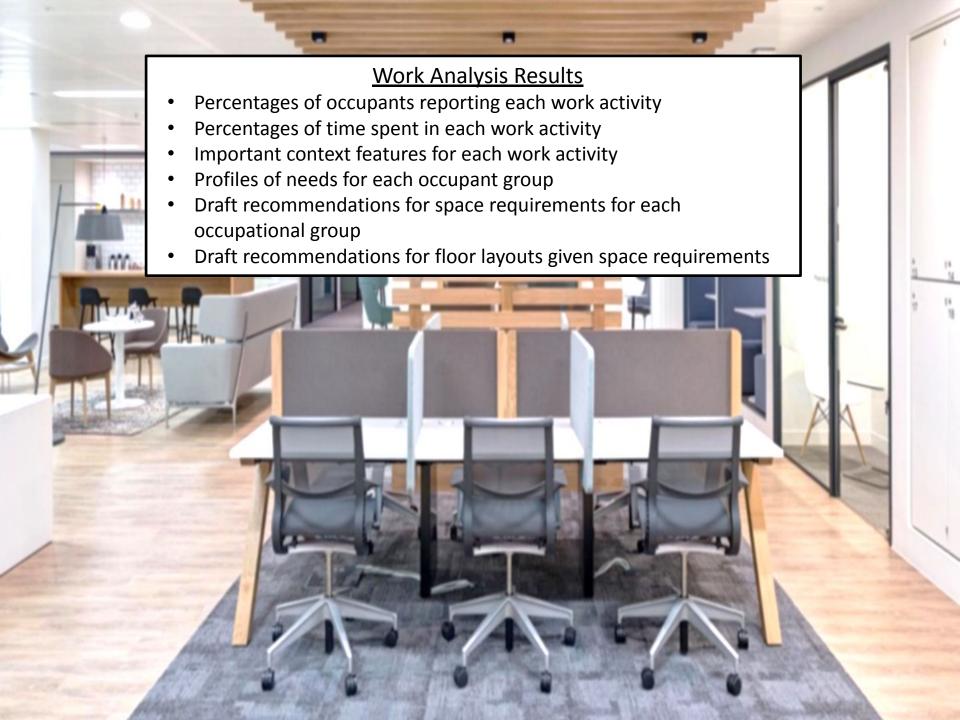


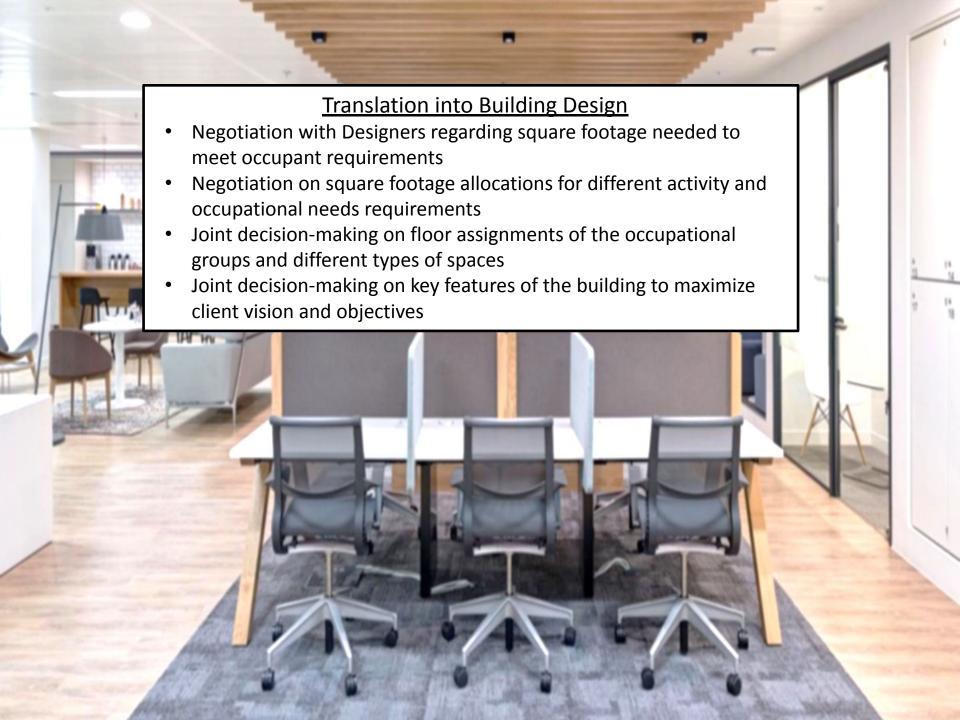


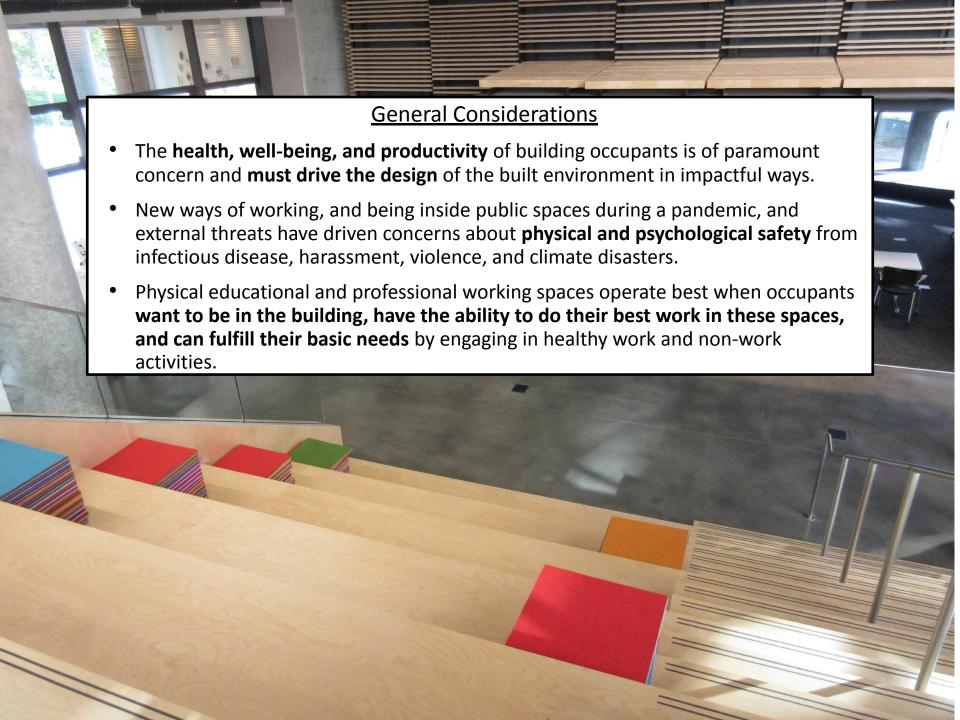


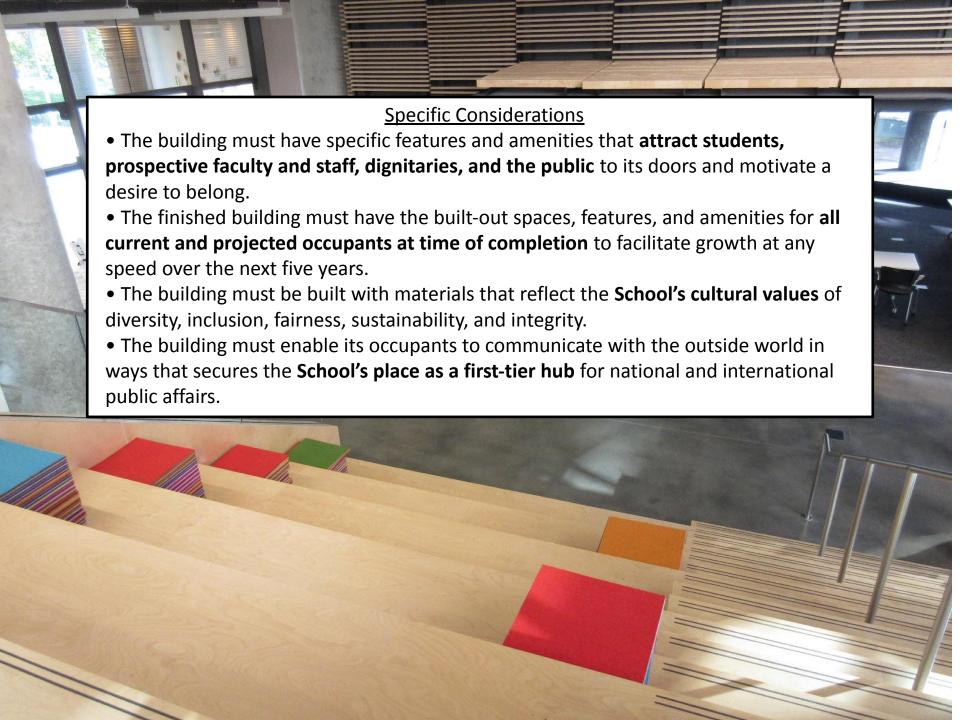


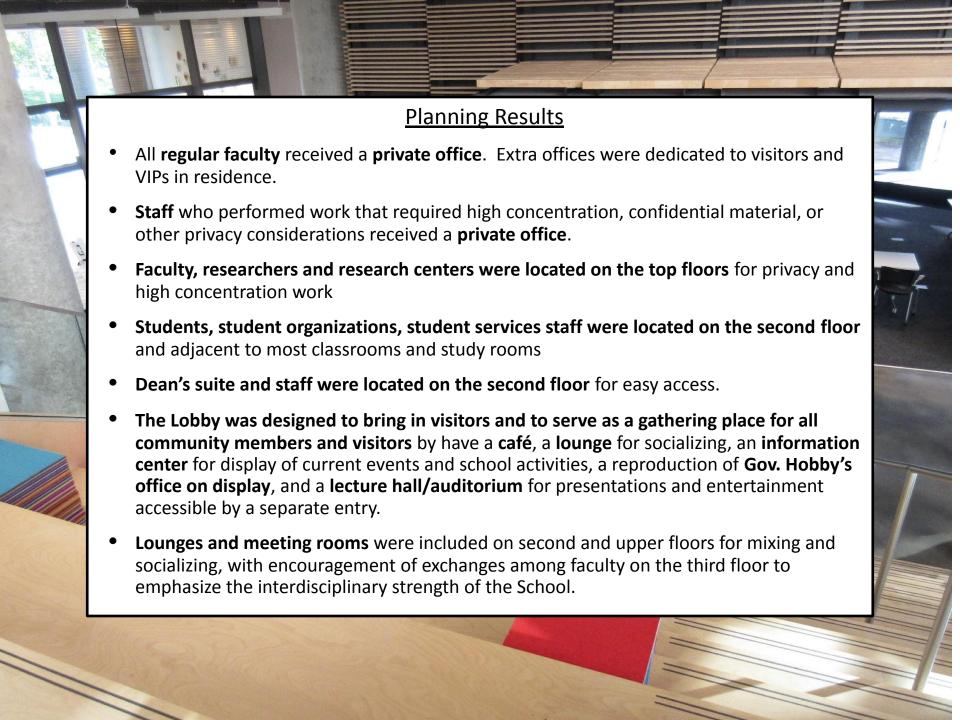


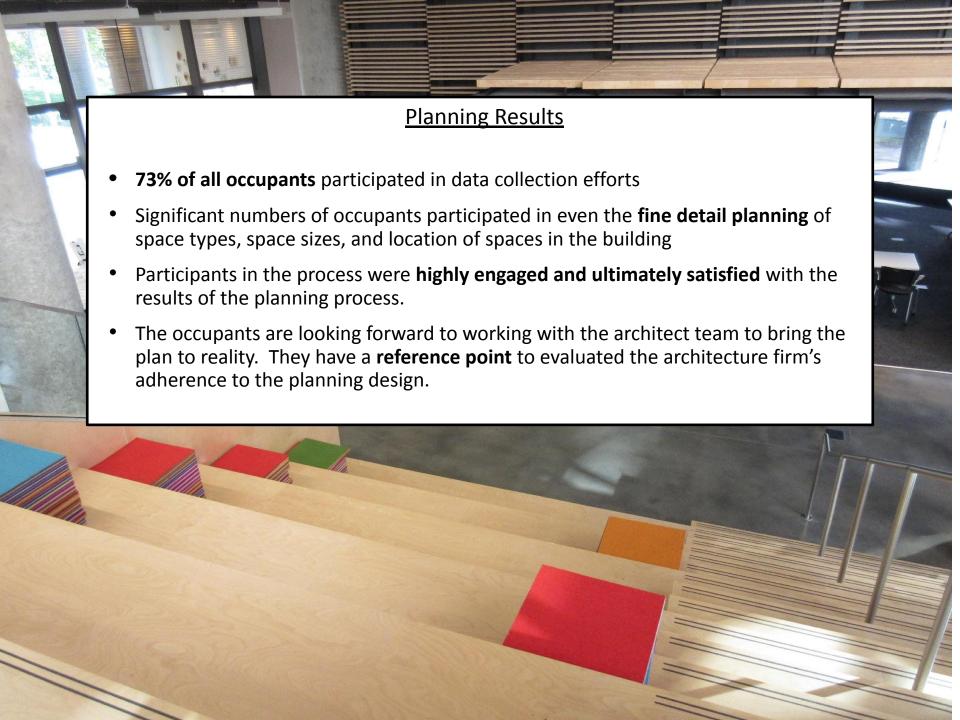














UNIVERSITY OF HOUSTON SCHOOL OF PUBLIC AFFAIRS
PLANNING STUDY