

MMB + CCB

Madison Municipal Building (MMB)

+ City-County Building (CCB)

Work Session I

August 14th, 2014

MSR

Agenda

- ① Introduction
- ② Design principles
- ③ History as design driver
- ④ Sustainability as design driver
- ⑤ Programming as design driver
- ⑥ Civic place-making as design driver

Introduction

- ① Introduction
- ② Design principles
- ③ History as design driver
- ④ Sustainability as design driver
- ⑤ Programming as design driver
- ⑥ Civic place-making as design driver

Team introduction

123.001.001.001

Design principles

- 1 Introduction
- 2 Design principles
- 3 History as design driver
- 4 Sustainability as design driver
- 5 Programming as design driver
- 6 Civic place-making as design driver

Design principles

transform | the design will be a tool in transforming city services, as it transforms the building and site.

link | the design will create strong relationships between MMB and CCB, block 88 development (JDS), and Monona Terrace, strengthening the civic center of Madison and increasing opportunities for civic engagement.

honor & innovate | the design will respect the existing architecture of the MMB and CCB buildings, and will incorporate the best of 21st century design.

sustain | the design will perform to high standards of sustainable practice, be an example of Madison's values, reduce energy usage and support the health and well-being of the buildings' users.

adapt | the design will respond gracefully to changes in technology and program, in response to diverse and changing users over generations.

propel | the design will embody workplace best practices to enable staff to better serve their customers.

leverage | the design will responsibly leverage the budget to achieve project priorities and reduce long-term operational costs.

inspire | the design will inspire productivity, positive behaviors and community and civic engagement.

lighten | the design will promote health and well-being, lightness of spirit and will incorporate daylight in the workspaces.

History as design driver

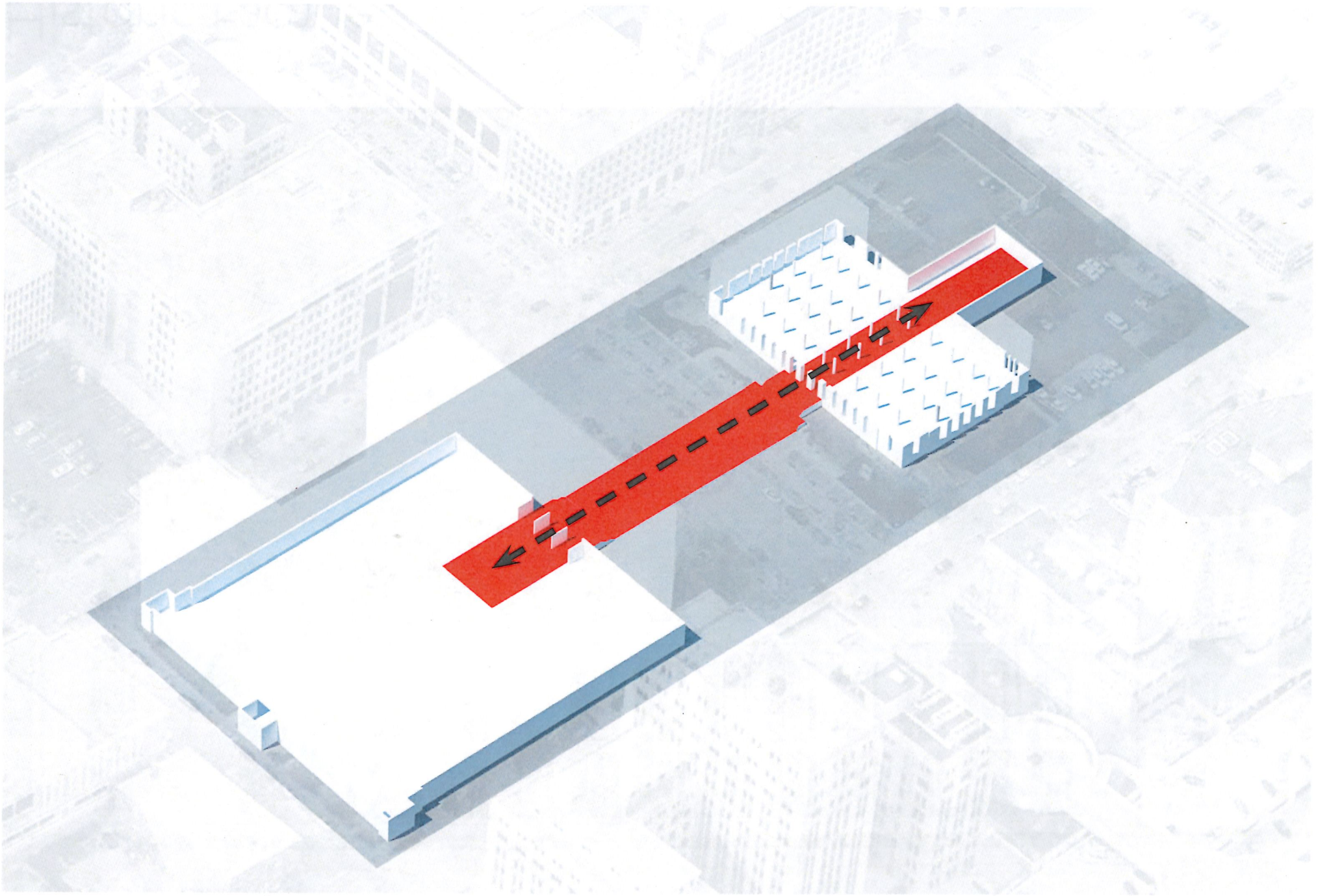
- 1 Introduction
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Historic Facade



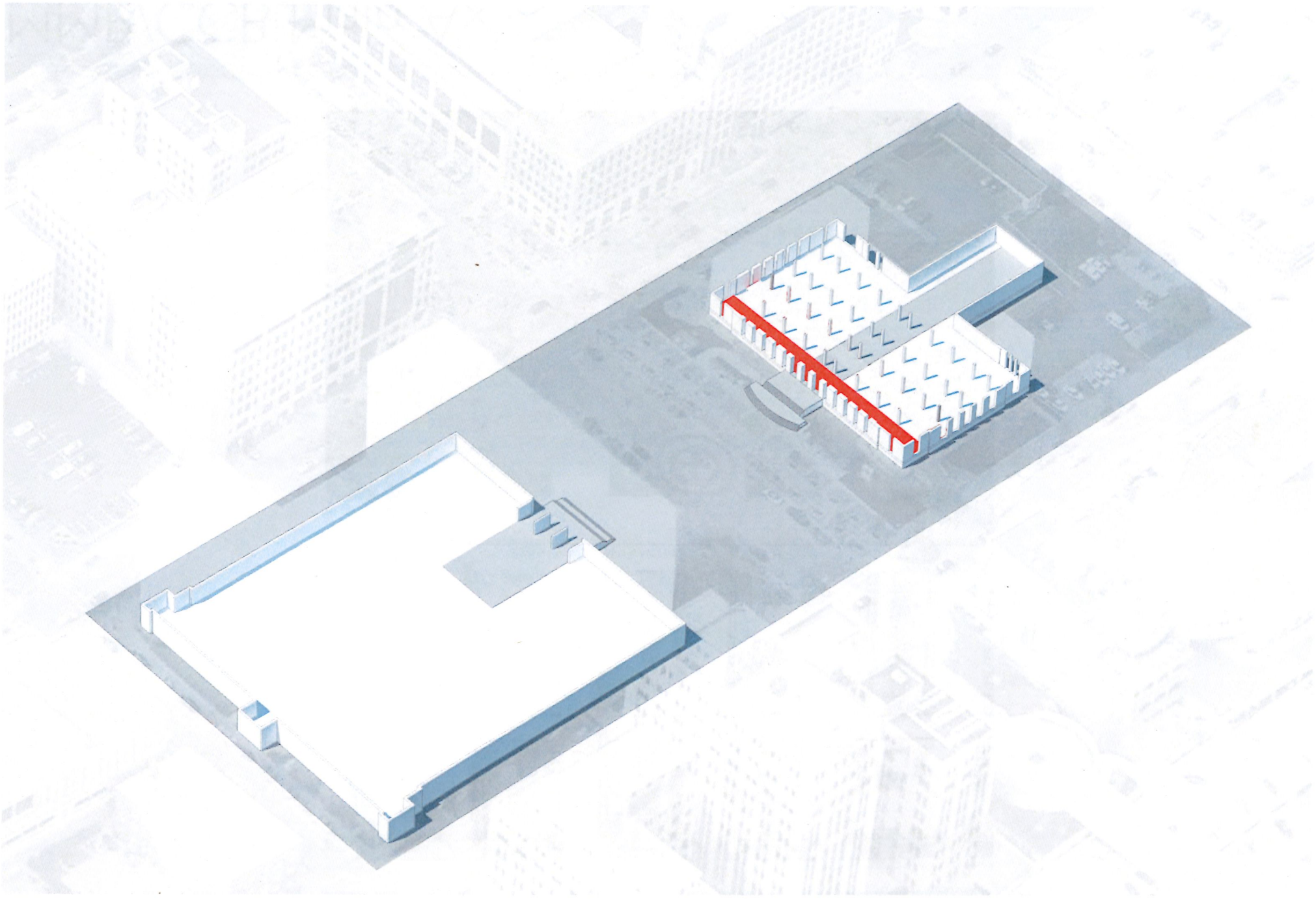
Historic Facade



MMB/CCB Main Axis



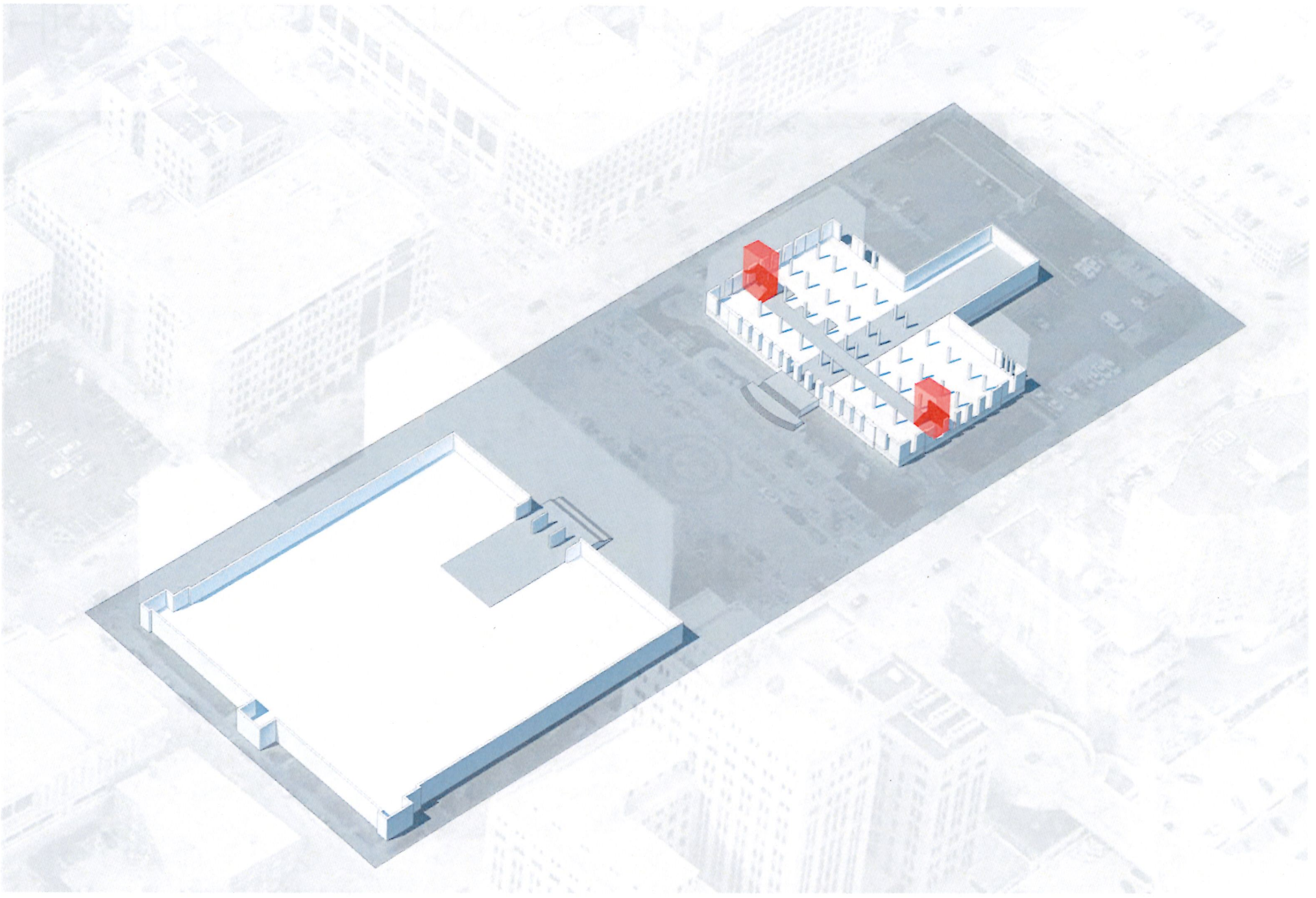
MMB/CCB Main Axis



Historic Postal Service Corridor



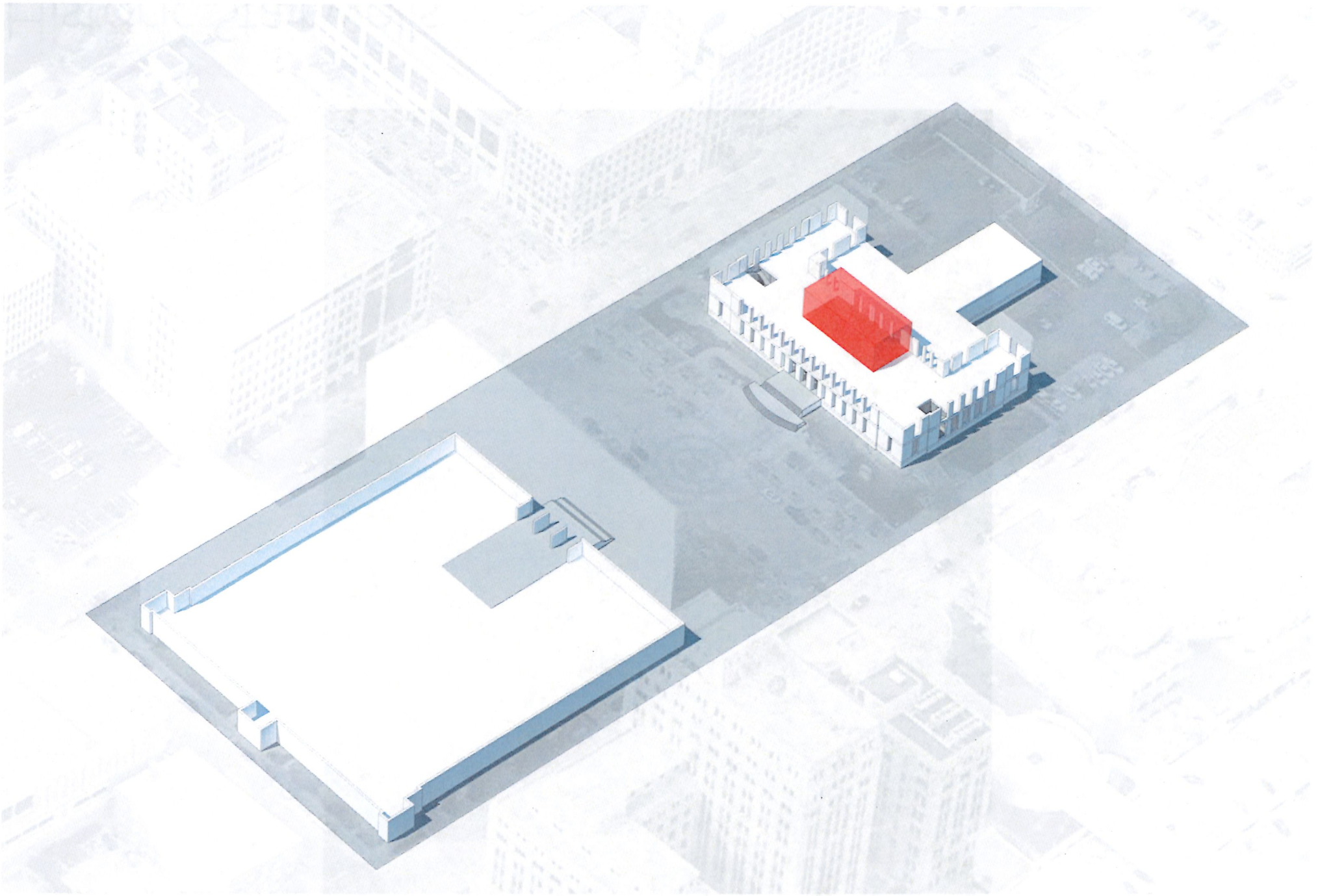
Historic Postal Service Corridor



Historic Stairwells



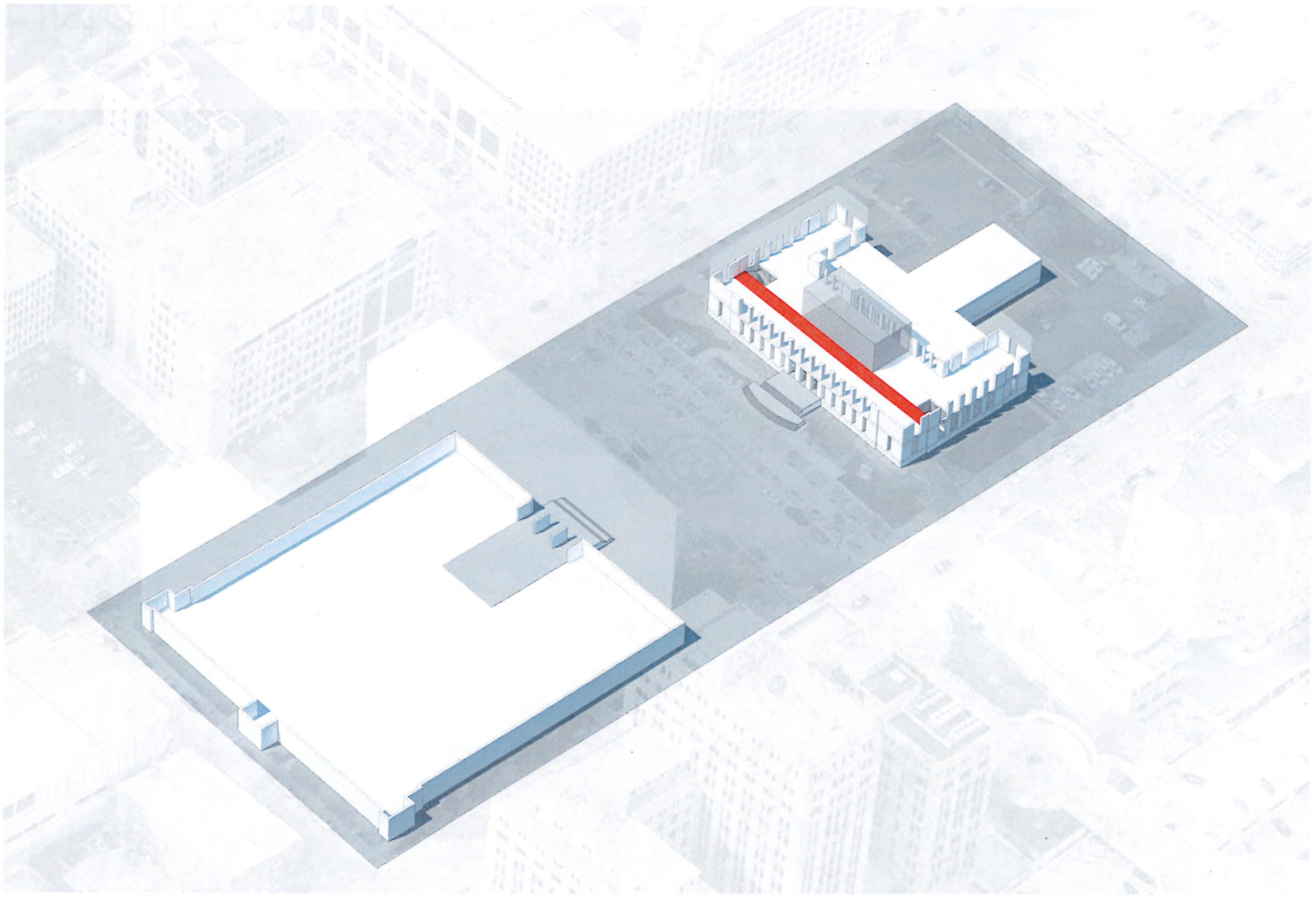
Historic Stairwells



Historic Courtroom



Historic Courtroom



Upper Floor Corridors



Upper Floor Corridors



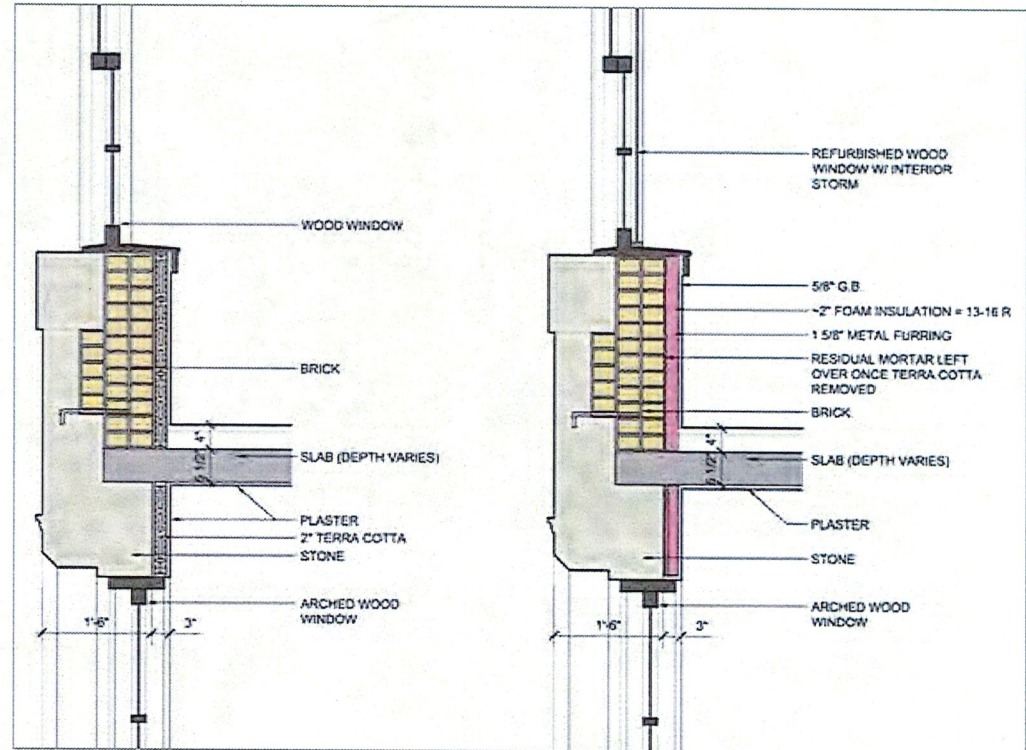
Upper Floor Corridors



Aspinall Federal Building



Aspinal Federal Building



Aspinnall Federal Building



50 United Nations Plaza



50 United Nations Plaza



50 United Nations Plaza

San Francisco, CA



50 United Nations Plaza

San Francisco, CA



50 United Nations Plaza

San Francisco, CA



50 United Nations Plaza

San Francisco, CA

Sustainability as design driver

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sustainable
madison



**The Madison Sustainability Plan:
Fostering Environmental,
Economic and Social Resilience**



The 2011 Madison Sustainability Plan: Overall Vision

Madison will be a self-reliant, peaceful community that relies on renewable, local resources and is able to adapt to changing environmental, social and economic conditions over time.

It will be a beautiful place in harmony with the environment where life thrives.



The City's Comprehensive Plan outlines specific long-term guidelines and priorities for land use, neighborhoods and the preservation of the natural environment. Along with the Comprehensive Plan, neighborhood development plans and other specific geographic development plans help protect the quality of life for this and future generations.

Vision

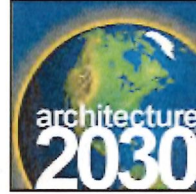
Our built environment respects the natural environment and provides convenient access to food, health, recreation, economic livelihood, and other basic needs for individuals and families through compact urban design. Our neighborhoods include informed and engaged people of mixed income and diverse ethnicity. **The places where we live, work, learn, and play are safe, sustainable, affordable, healthy, and inspire a sense of well-being.** Madison's land use patterns, and our planning and design policies and practices, provide and protect quality of life for existing and future generations.

Goals

1. Improve transportation planning and systems to provide better access for community's needs.
2. Foster holistic land use.
3. **Support sustainable infrastructure and buildings.**
4. Promote and foster local food systems.



LEED



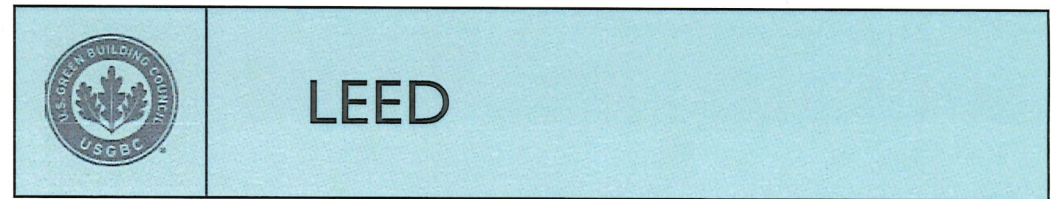
The 2030 Challenge



Living Building Challenge

Madison Sustainability Plan Categories

- Natural Systems
- Planning & Design
- Transportation
- Carbon & Energy
- Economic Development
- Employment & Workforce
- Education
- Affordable Housing
- Health
- Arts, Design & Culture





LEED

Madison Sustainability Plan Categories

- Natural Systems
 - Planning & Design
 - Transportation
 - Carbon & Energy
 - Economic Development
 - Employment & Workforce
 - Education
 - Affordable Housing
 - Health
 - Arts, Design & Culture
- investigate requiring minimum LEED Silver or equivalent third- party certification for all construction supported by public funds

LEED

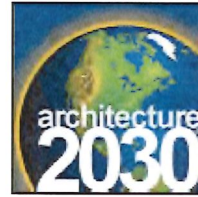


The 2030 Challenge

Madison Sustainability Plan Categories

- Natural Systems
- Planning & Design
- Transportation
- Carbon & Energy
 - create a target for new buildings and developments to meet zero net energy standards by 2030
- Economic Development
- Employment & Workforce
- Education
- Affordable Housing
- Health
- Arts, Design & Culture

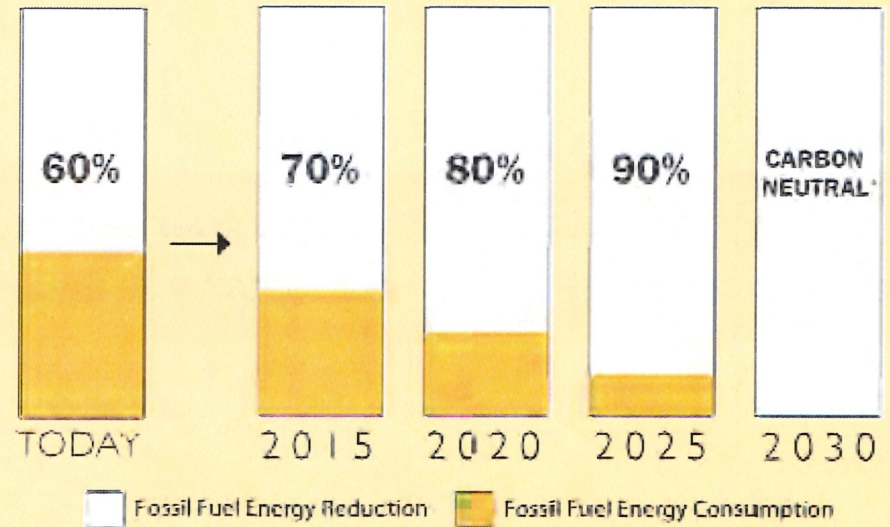
The 2030 Challenge



The 2030 Challenge

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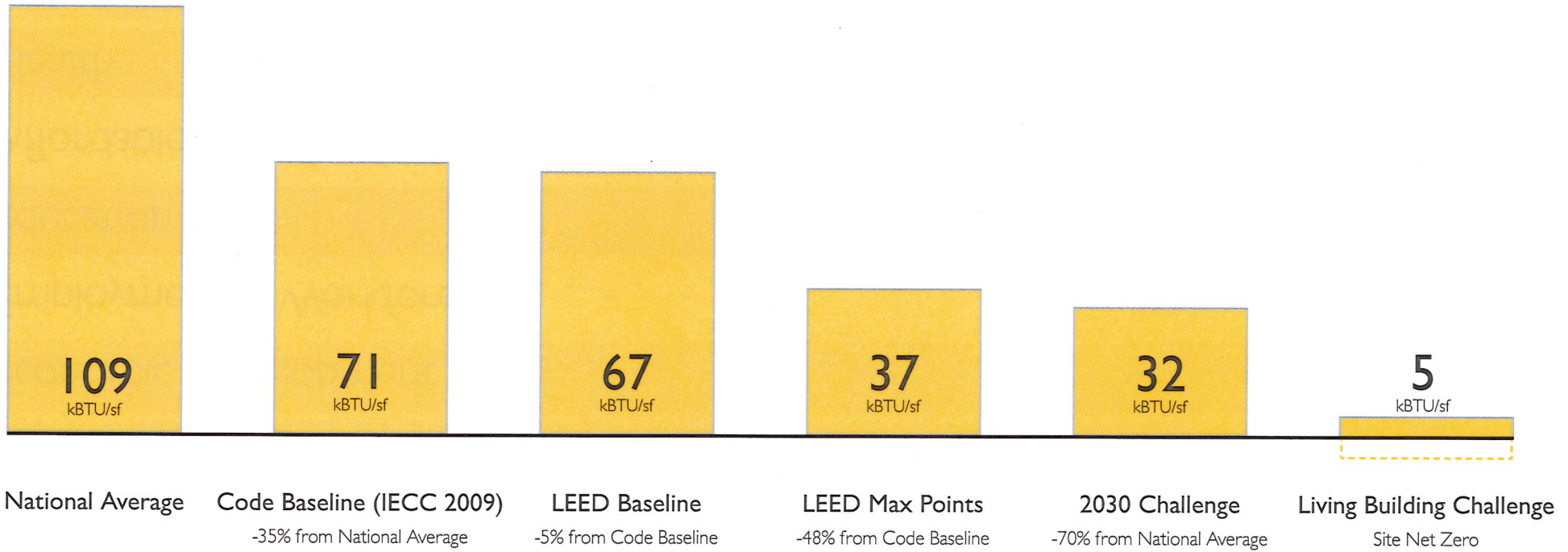


Living Building Challenge

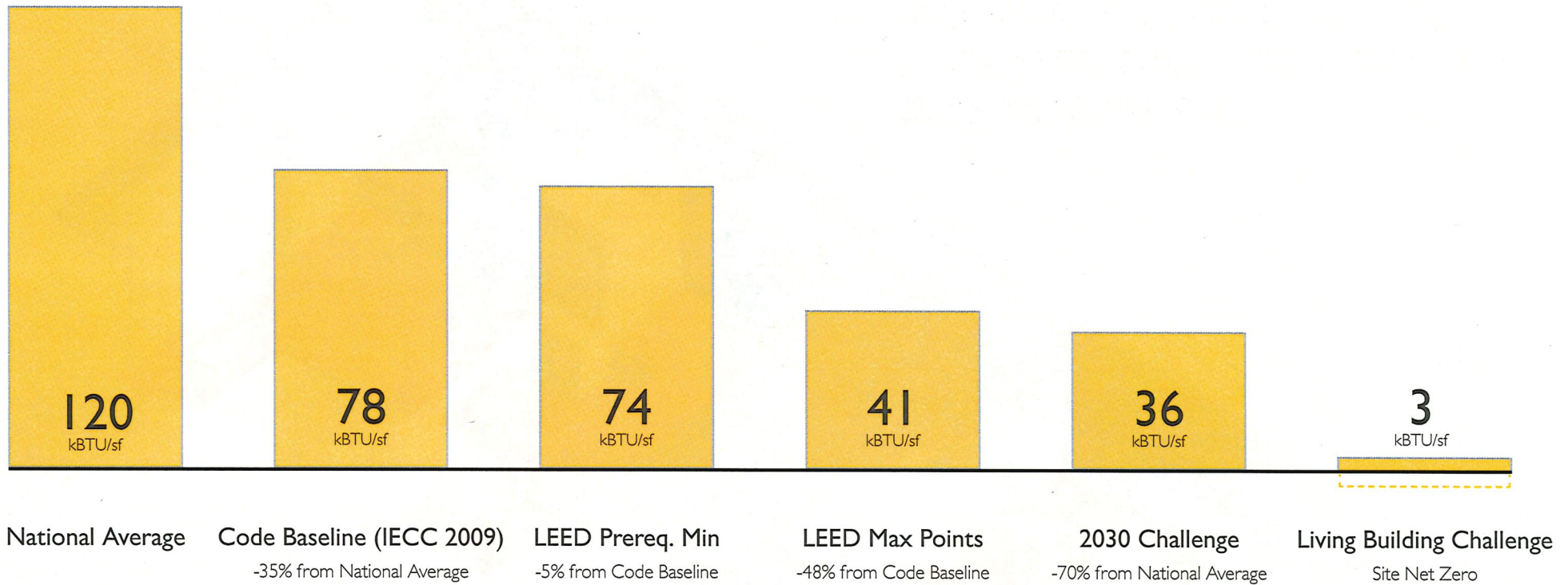
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Living Building Challenge



MMB Energy Targets Estimates



CCB Energy Target Estimates

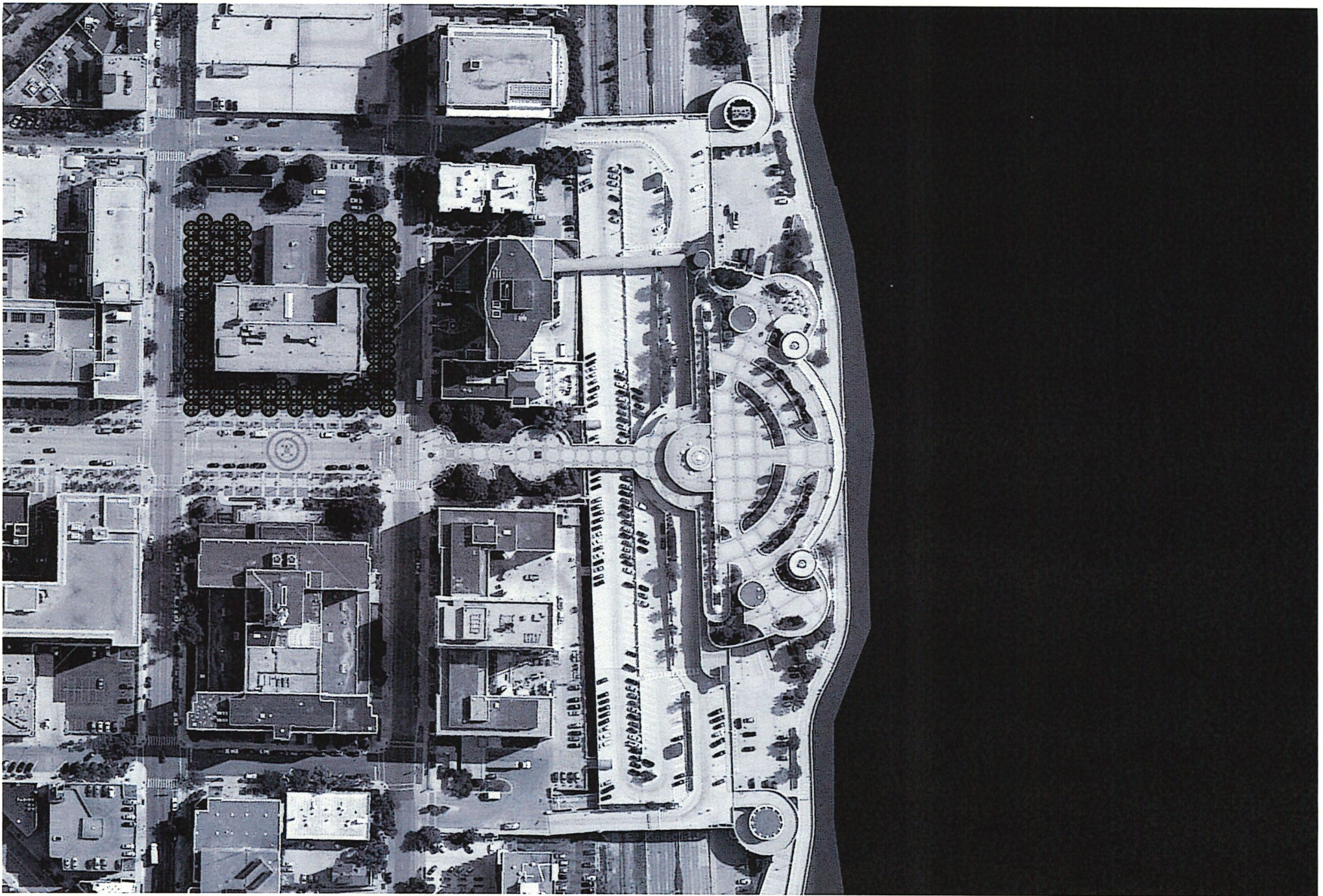
CCB - Roof Mounted PV

- PV Array sized to 70% of roof area
- PV Array size = 28,569 sf
- Annual energy generation = 1129,880 kbtu
- Annual energy generation = 2.8 kbtu/sf

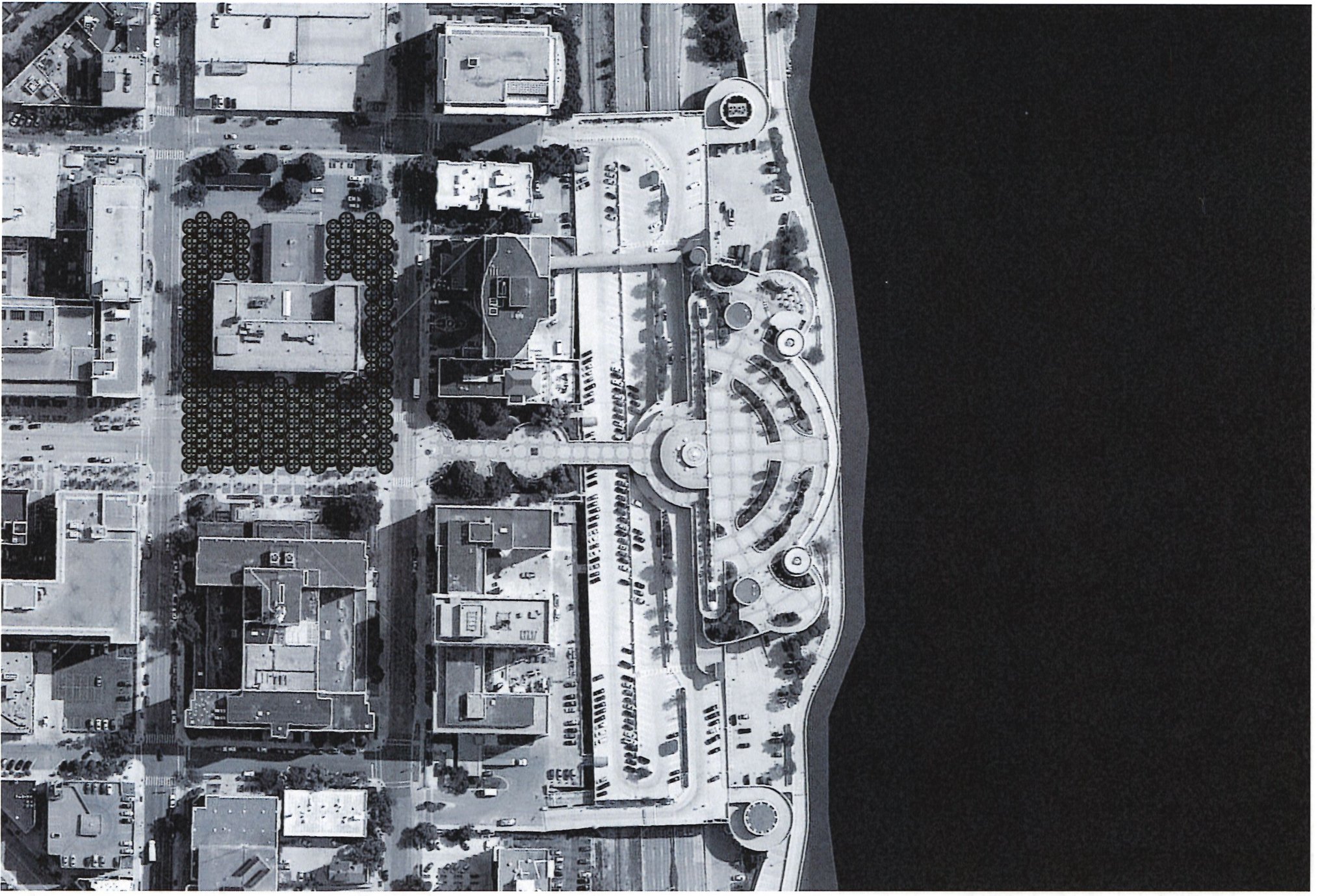
MMB - Roof Mounted PV

- PV Array sized to 70% of roof area
- PV Array size = 10,637 sf
- Annual energy generation = 403,527 kbtu
- Annual energy generation = 4.9 kbtu/sf

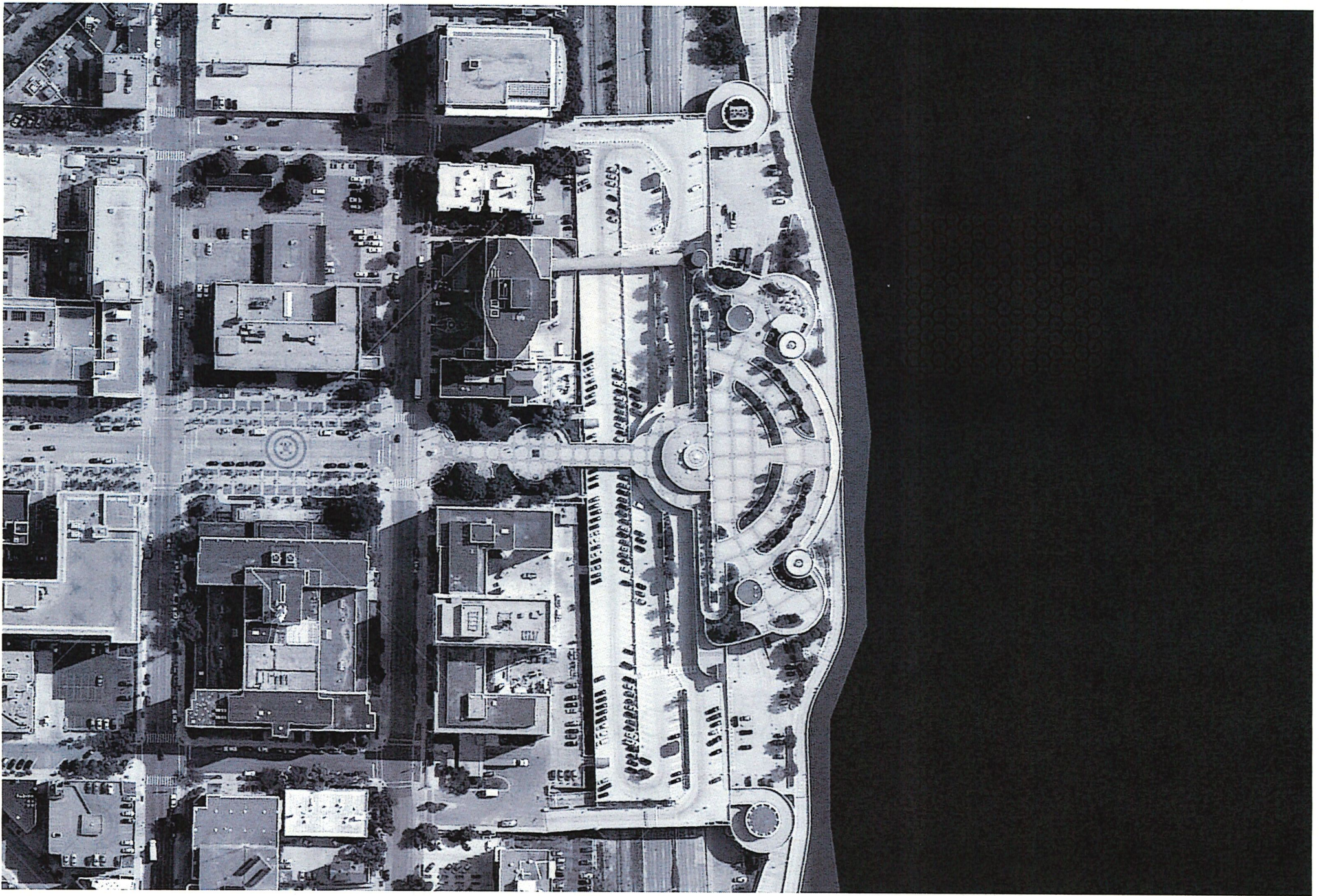
PV Production Estimate



Ground Source Heat Pump: MMB Site

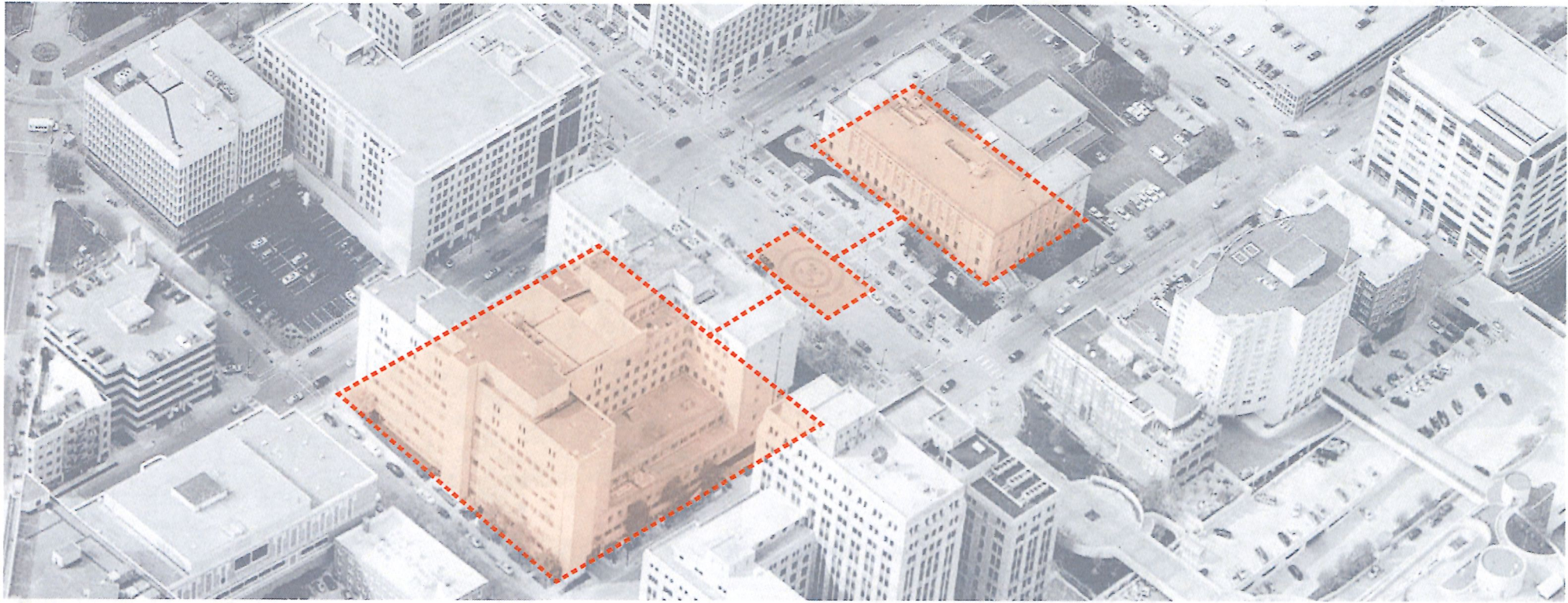


Ground Source Heat Pump: MMB Site + Plaza



Ground Source Heat Pump: MMB Lake

connect to existing state central plant?
or
locate centralized services on site?



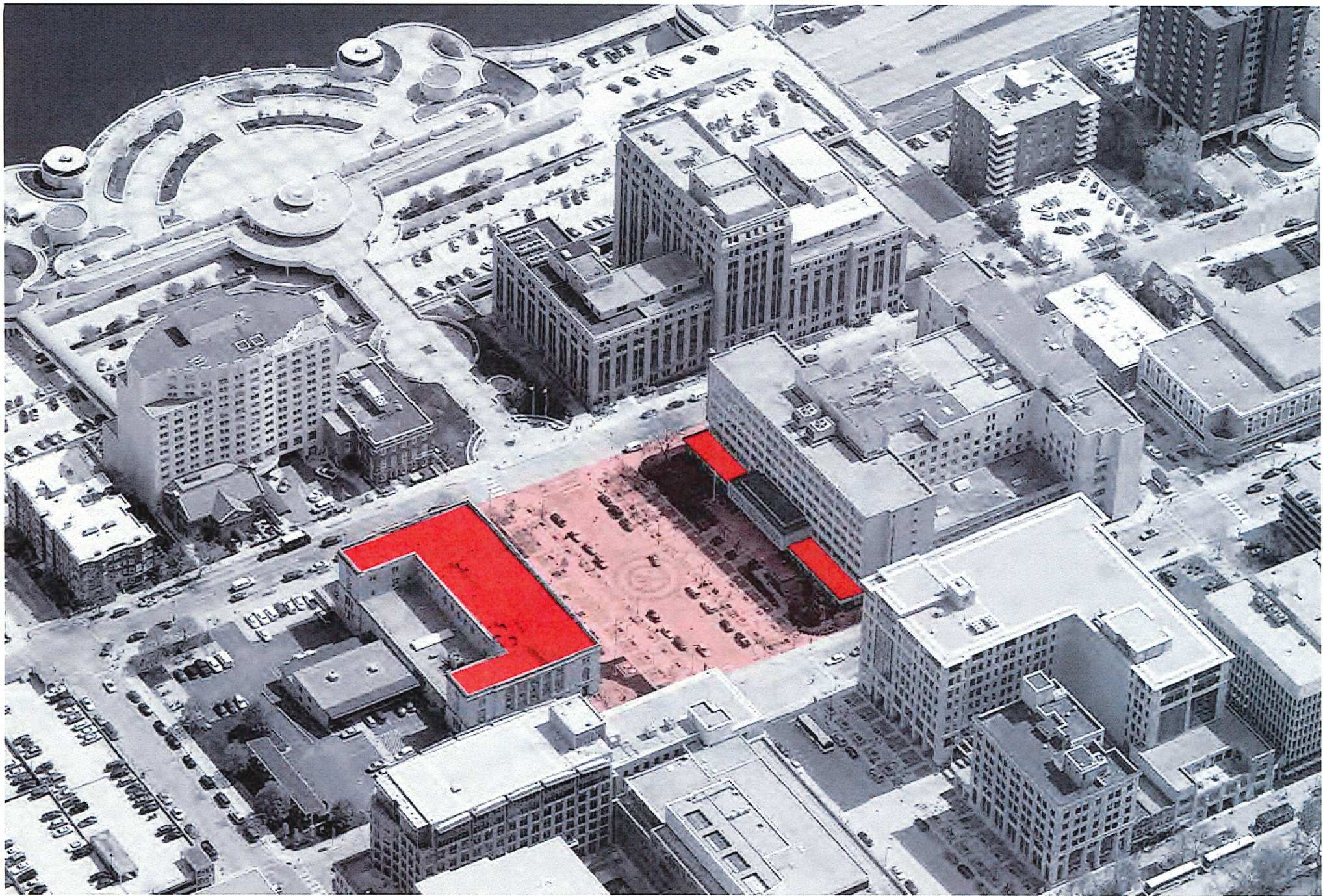
Central Plant

thermal comfort
indoor air quality
acoustics
maintenance
energy transport
water conservation

Additional System Selection Criteria



Additional System Selection Criteria



Roofdeck Diagram



MIND

COMFORT

FITNESS

LIGHT

NOURISHMENT

WATER

AIR

WELL Building Standard

ACTIVE DESIGN GUIDELINES

PROMOTING PHYSICAL ACTIVITY
AND HEALTH IN DESIGN



Active Design Guidelines

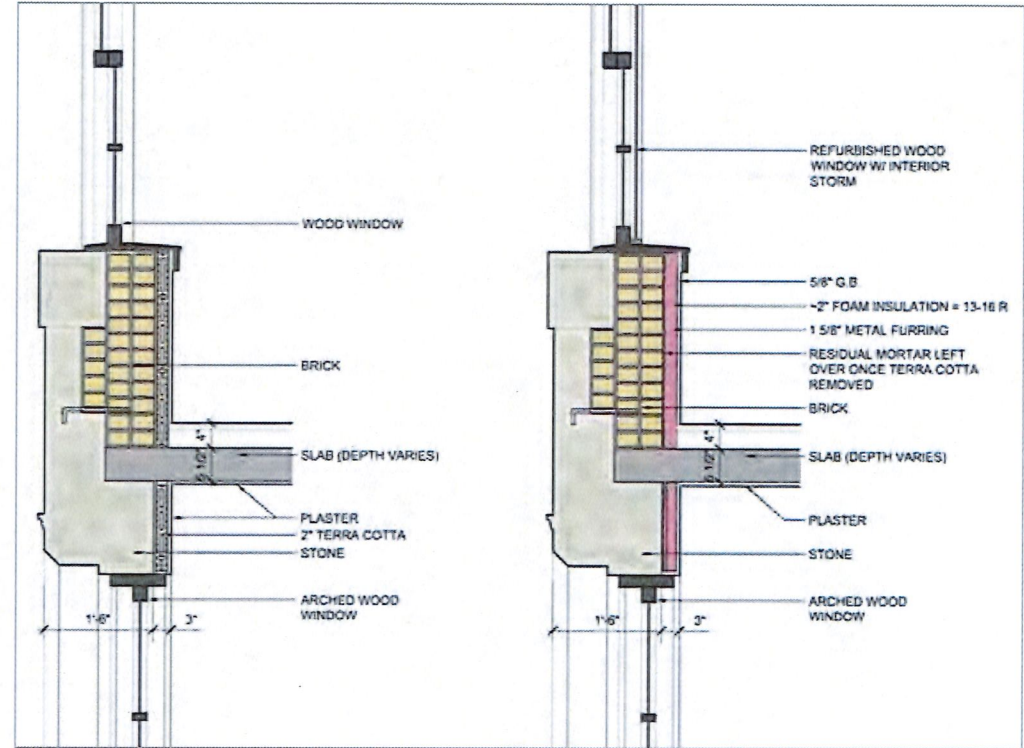


Drexel University

Philadelphia, PA



Aspinal Federal Building



Aspinnall Federal Building



Almere Sustainable City

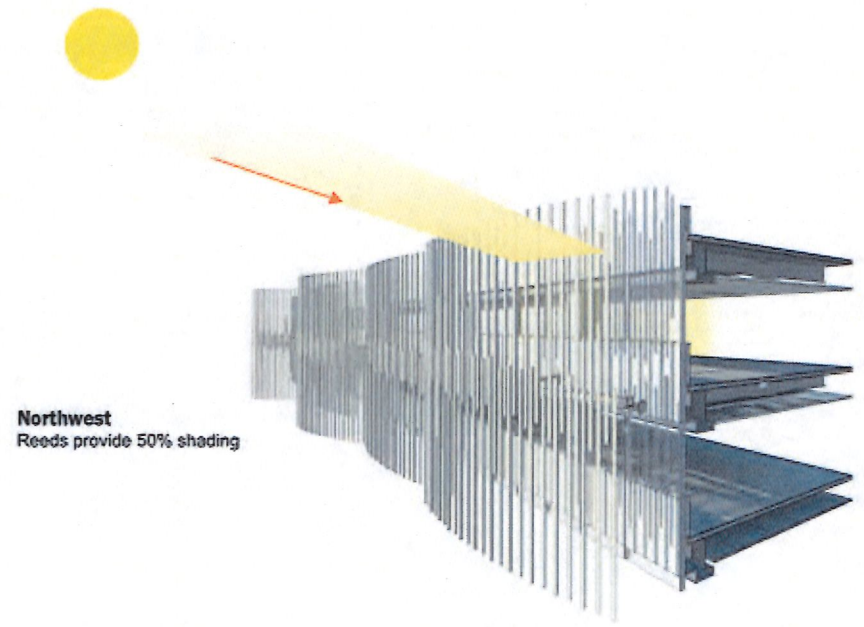
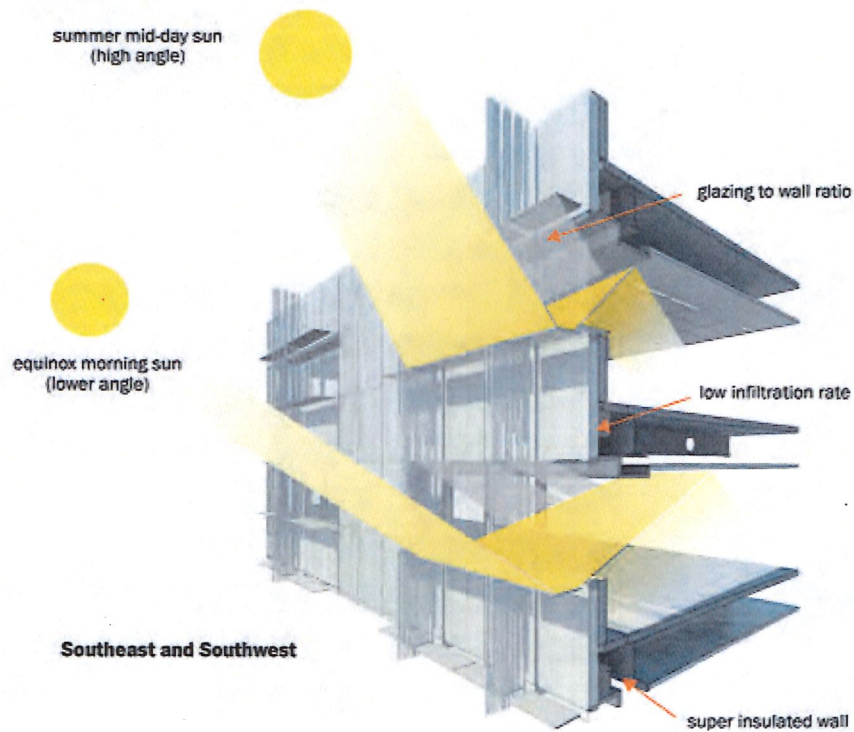


Almere Sustainable City



Edith Green Wendell Wyatt Federal Building

Portland, OR



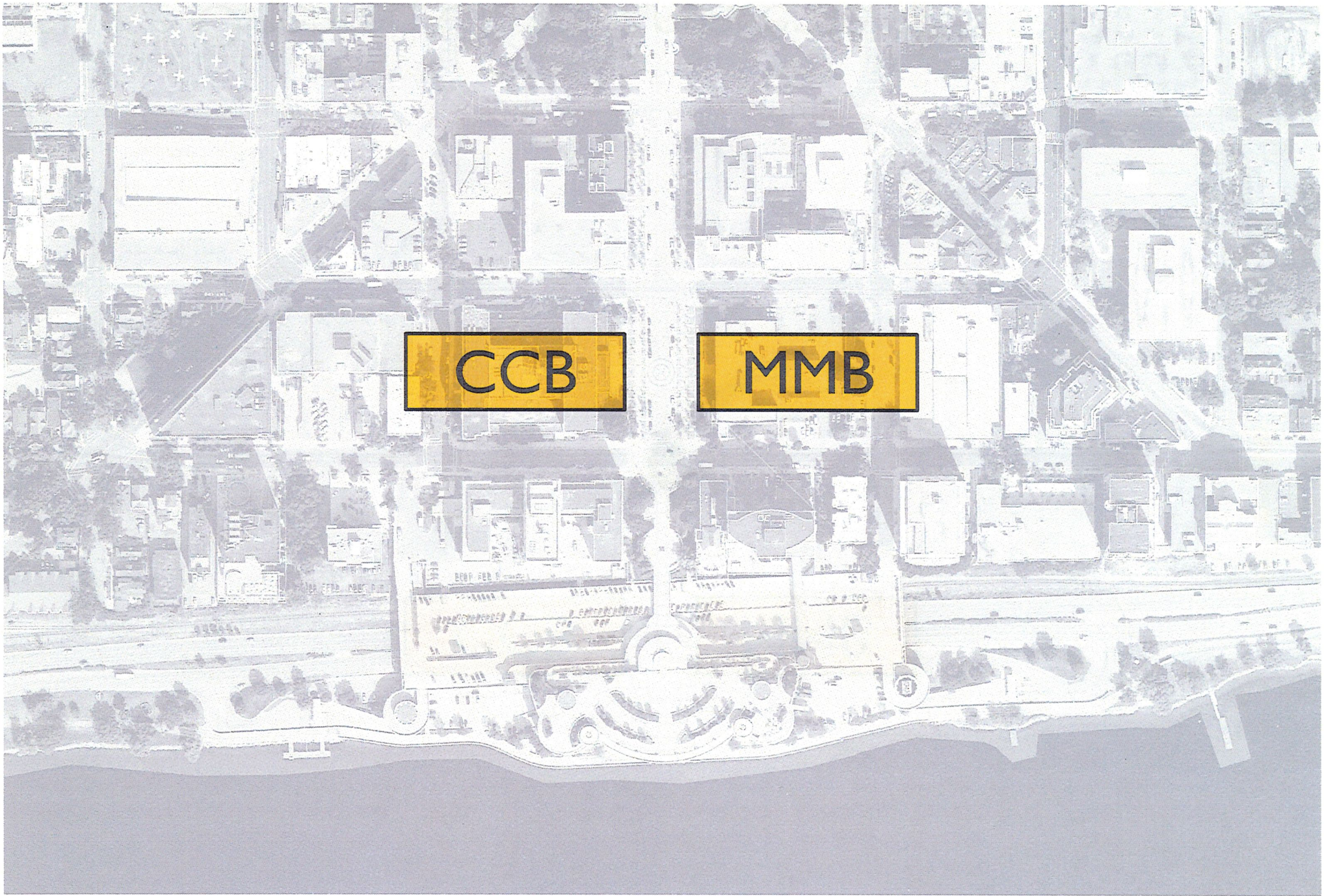


Edith Green Wendyll Wyatt Federal Building

Portland, OR

Programming as design driver

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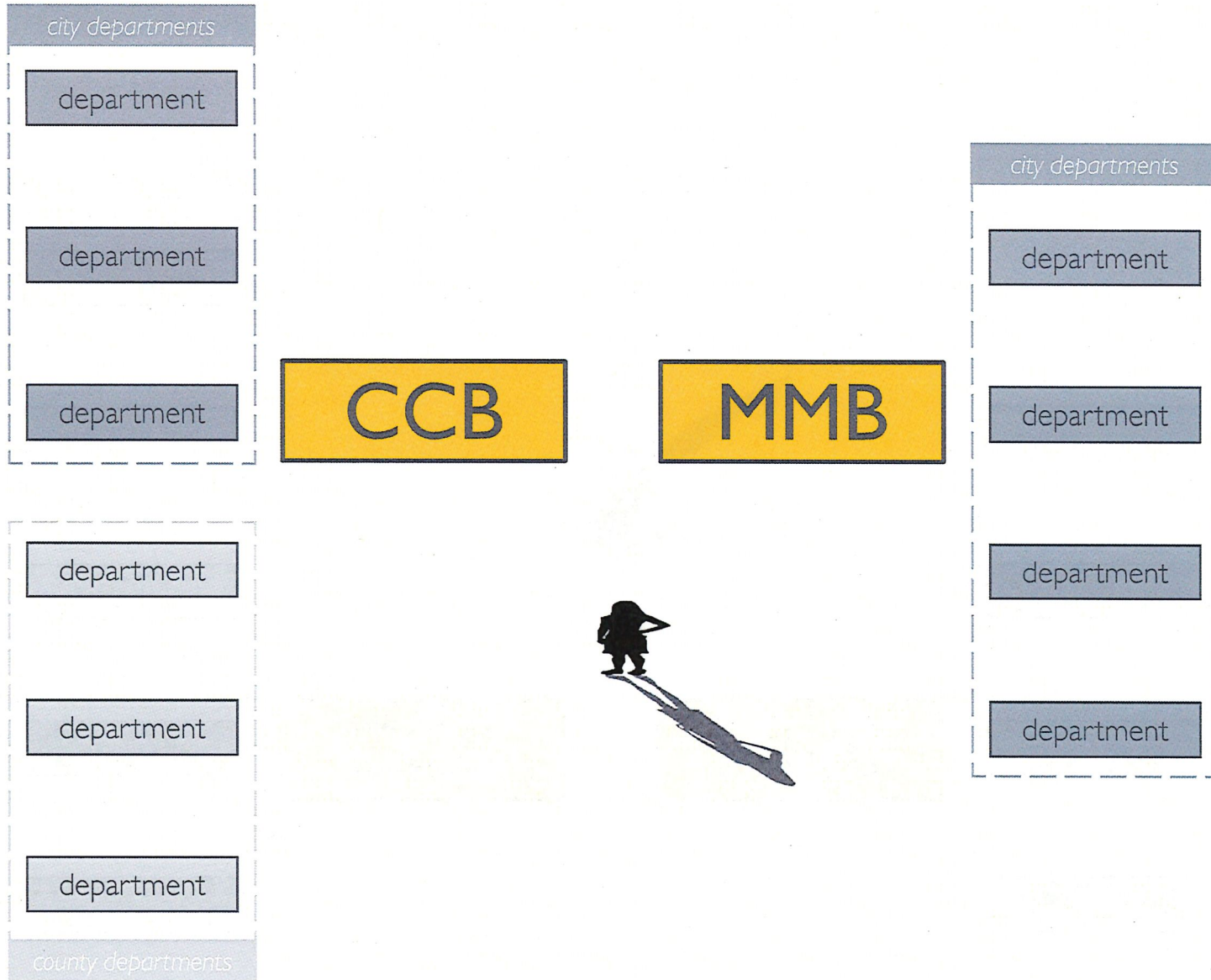
Service Oriented Citizen Engagement

CCB

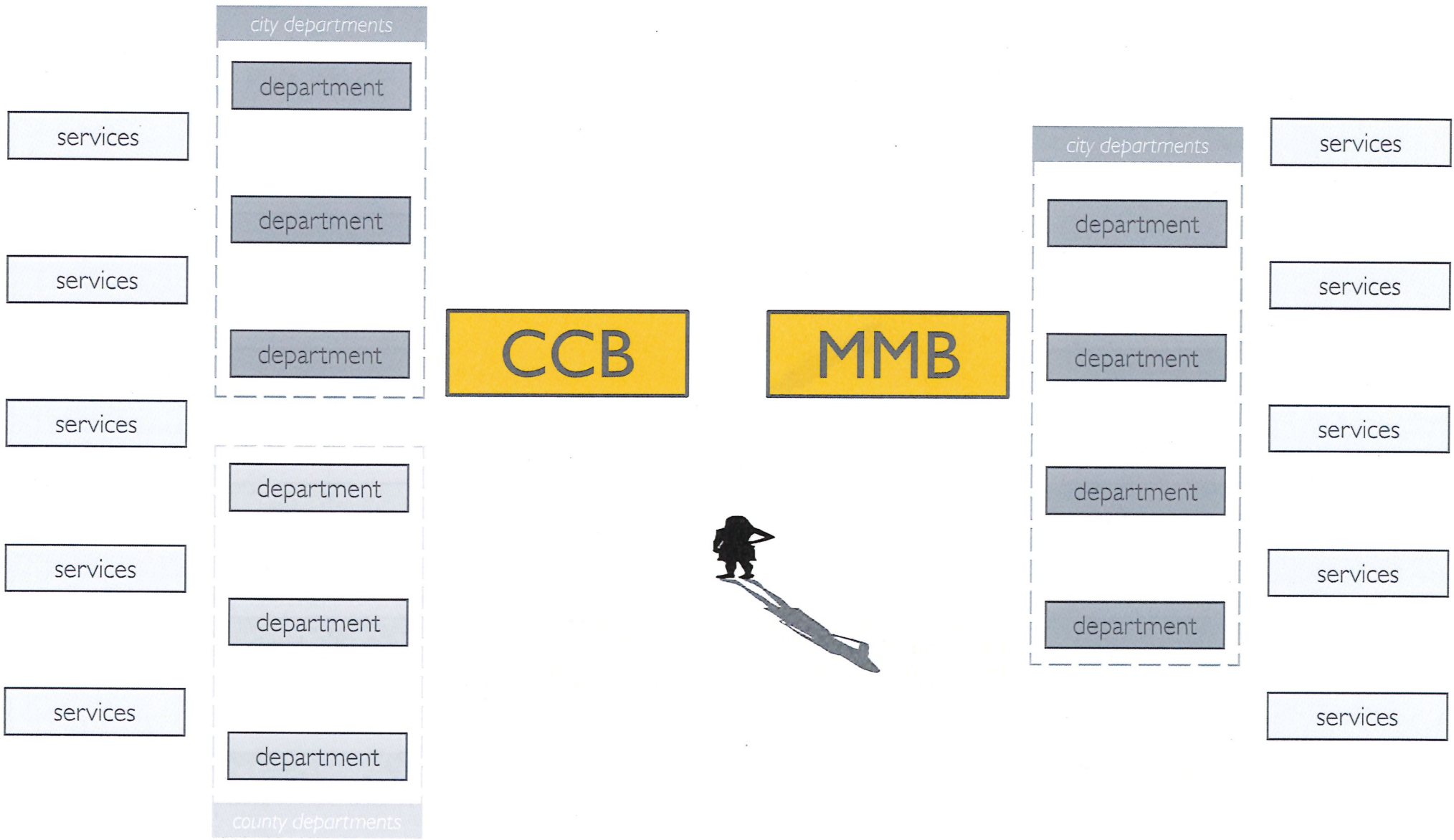
MMB



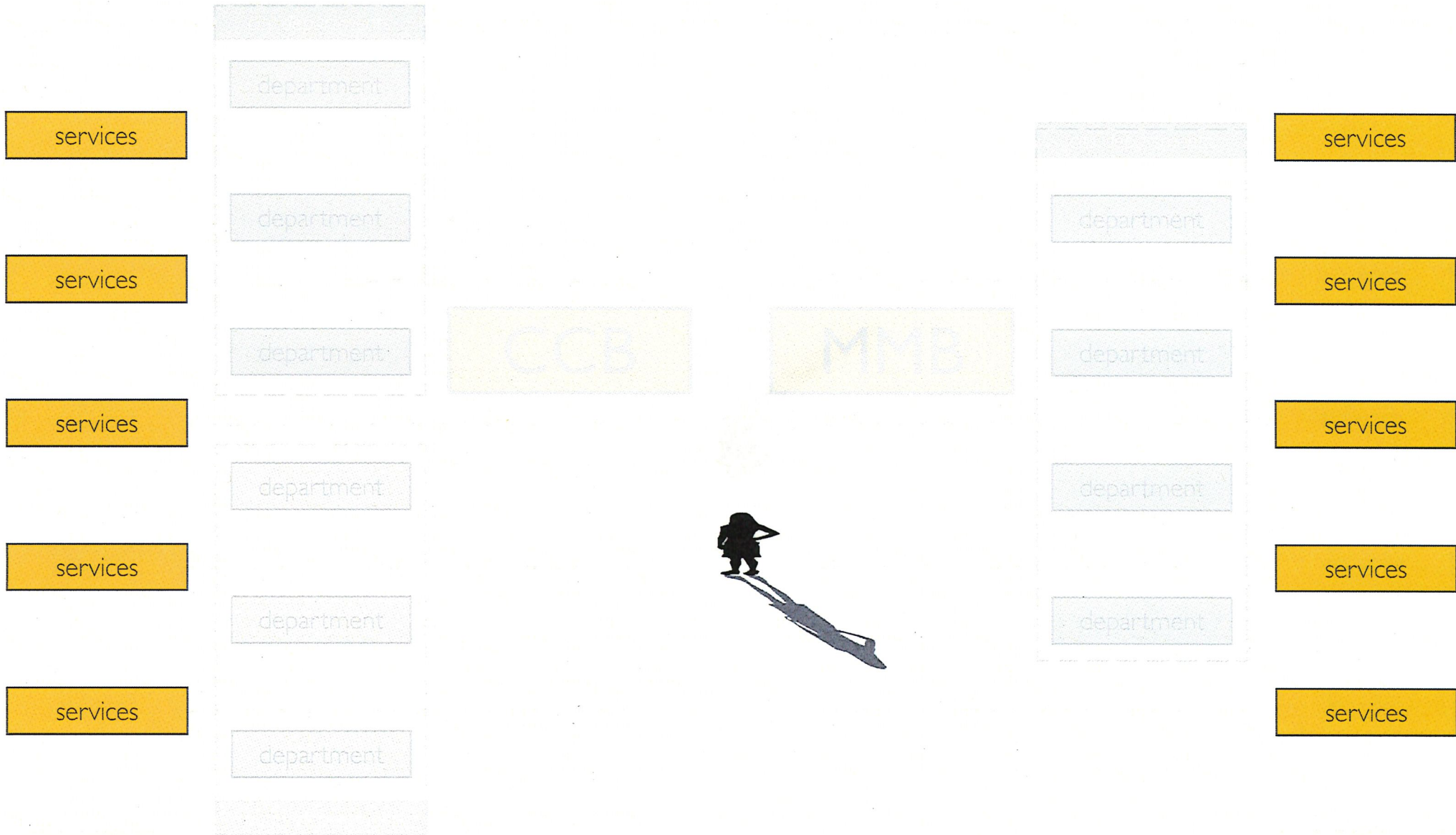
Service Oriented Citizen Engagement



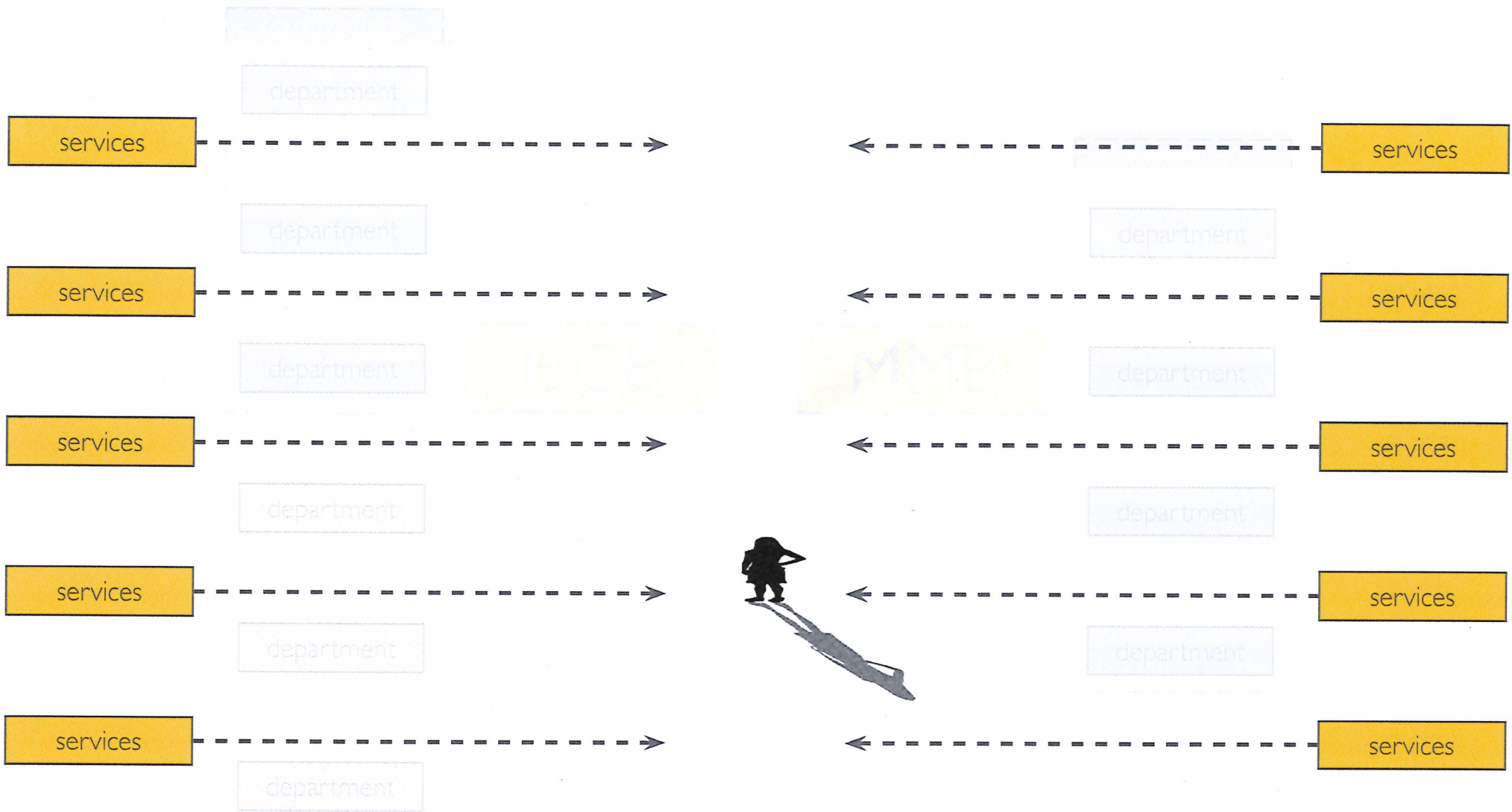
Service Oriented Citizen Engagement



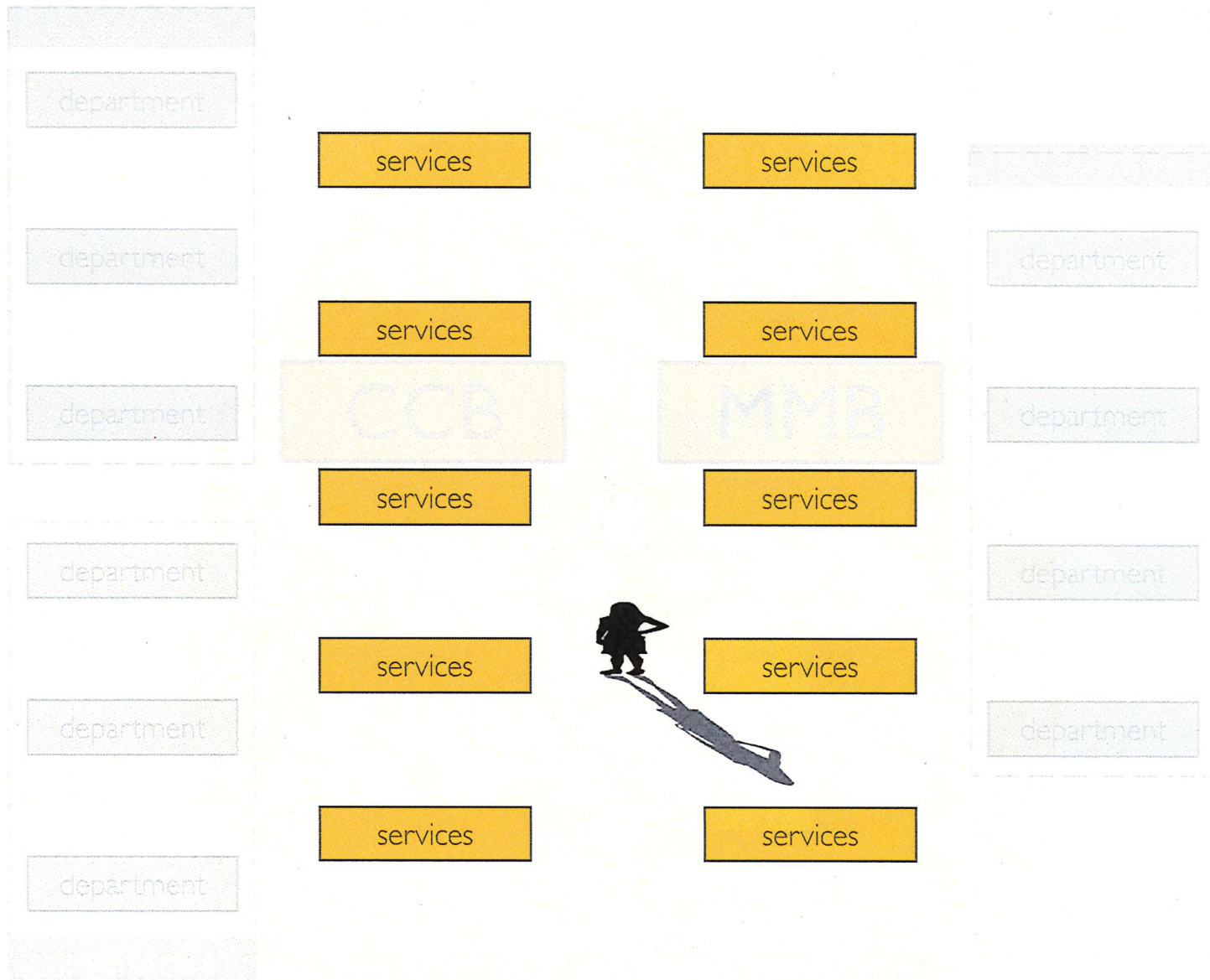
Service Oriented Citizen Engagement



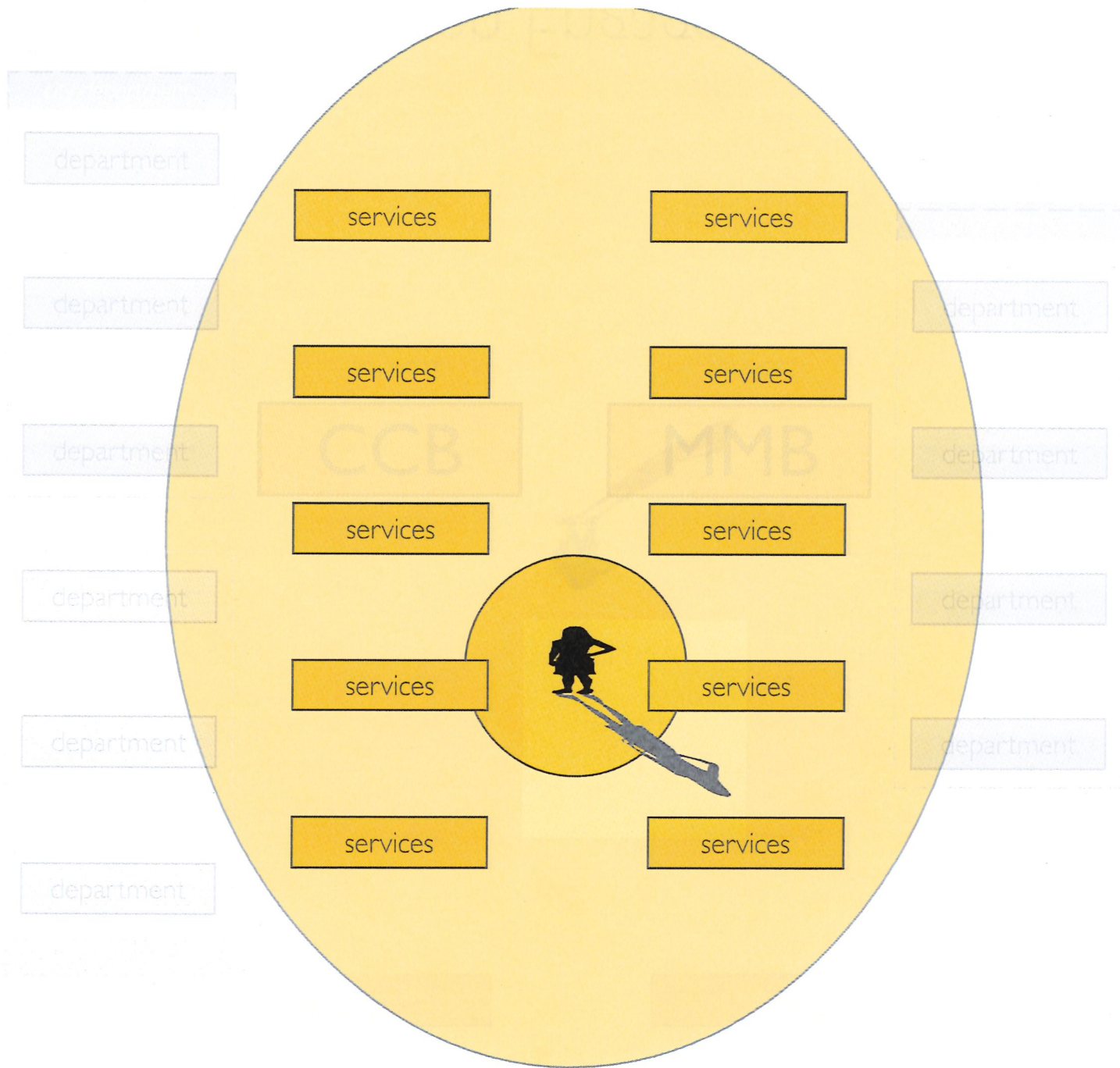
Service Oriented Citizen Engagement



Service Oriented Citizen Engagement



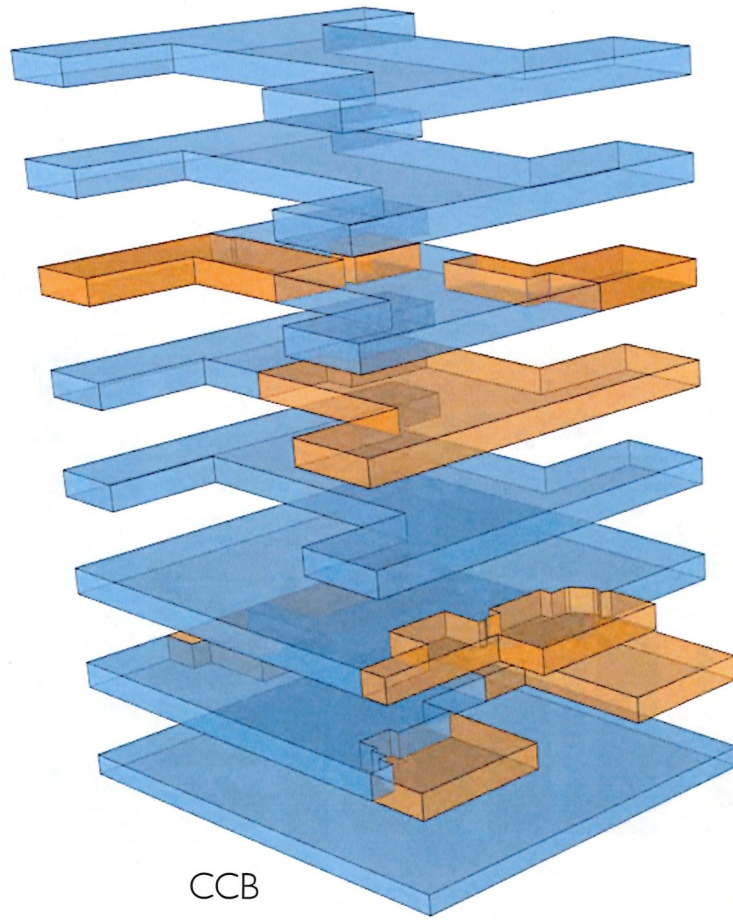
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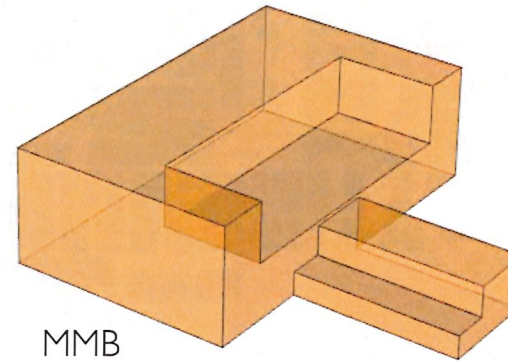
Service Oriented Citizen Engagement



City Departmental Mission Statements



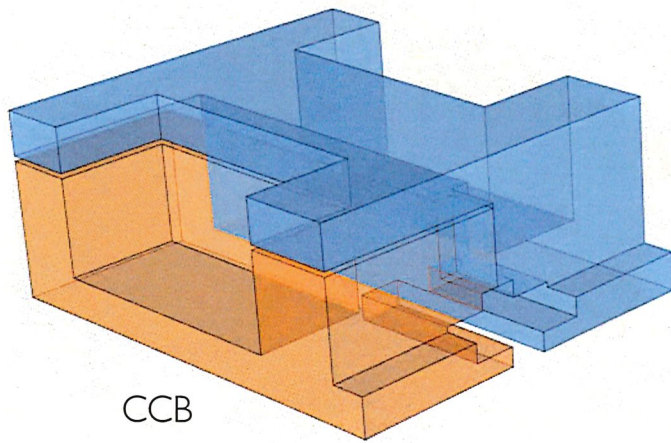
CCB



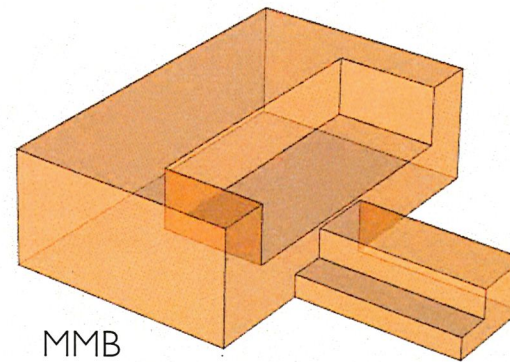
MMB

- City
- County

Existing Program Arrangement



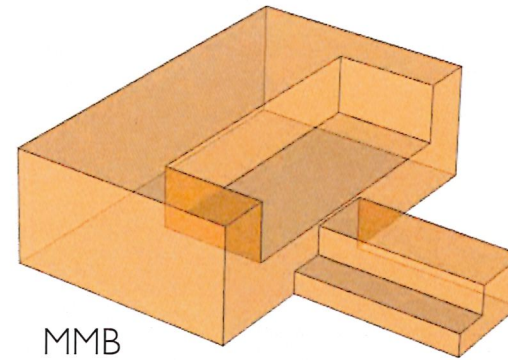
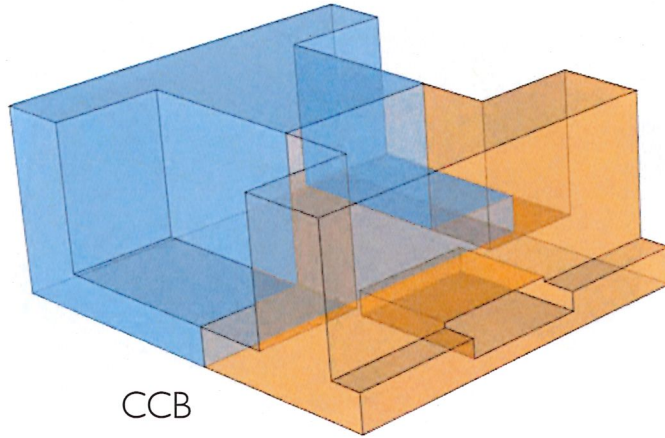
CCB



MMB

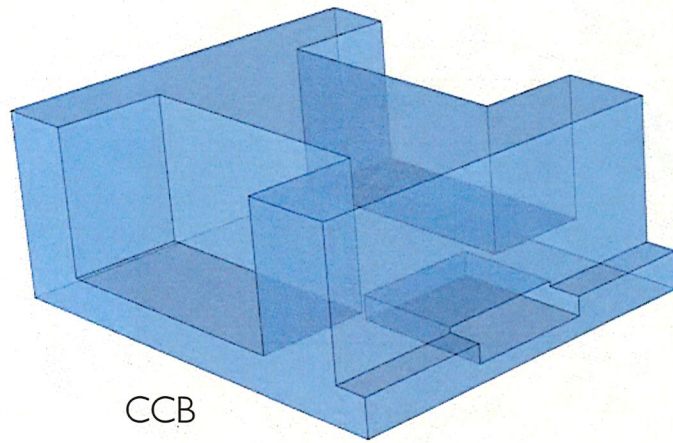
-  City
-  County

Consolidate City - Consolidate County

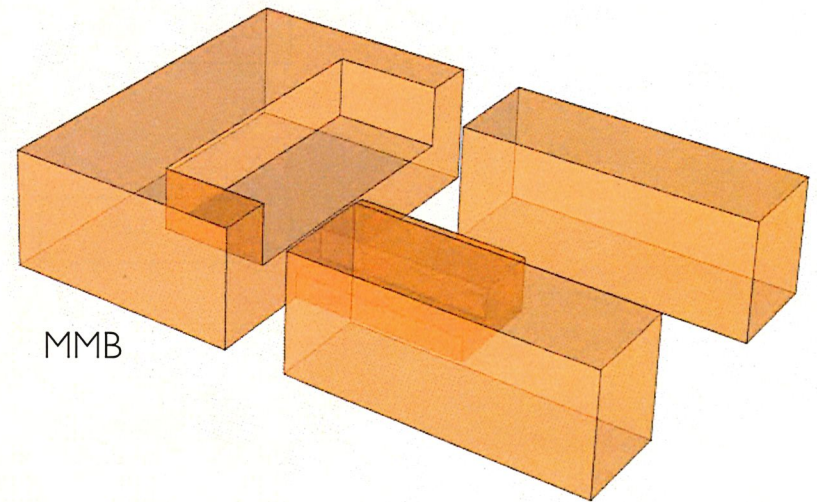


- City
- County

Consolidate City - Consolidate County



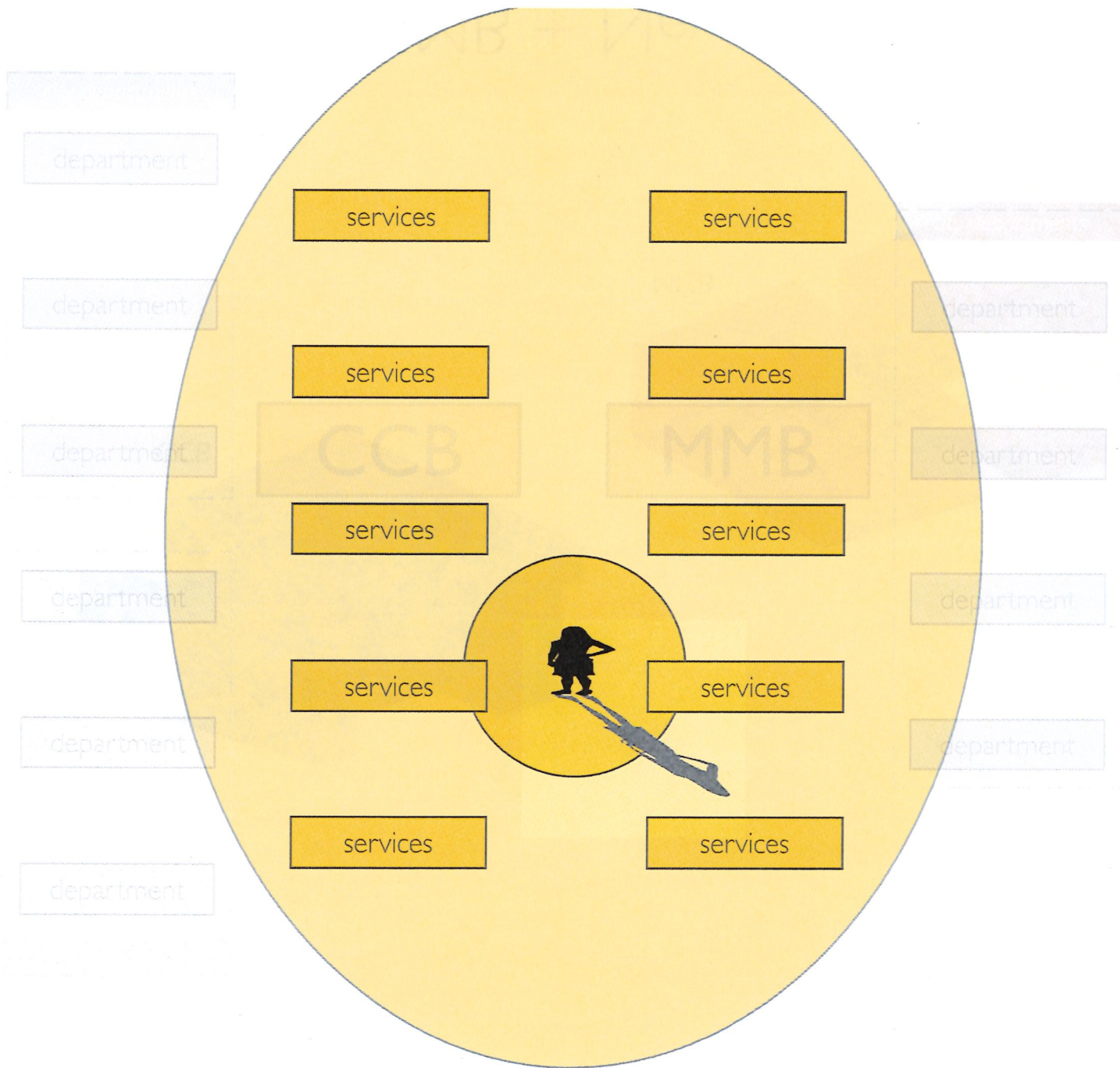
CCB



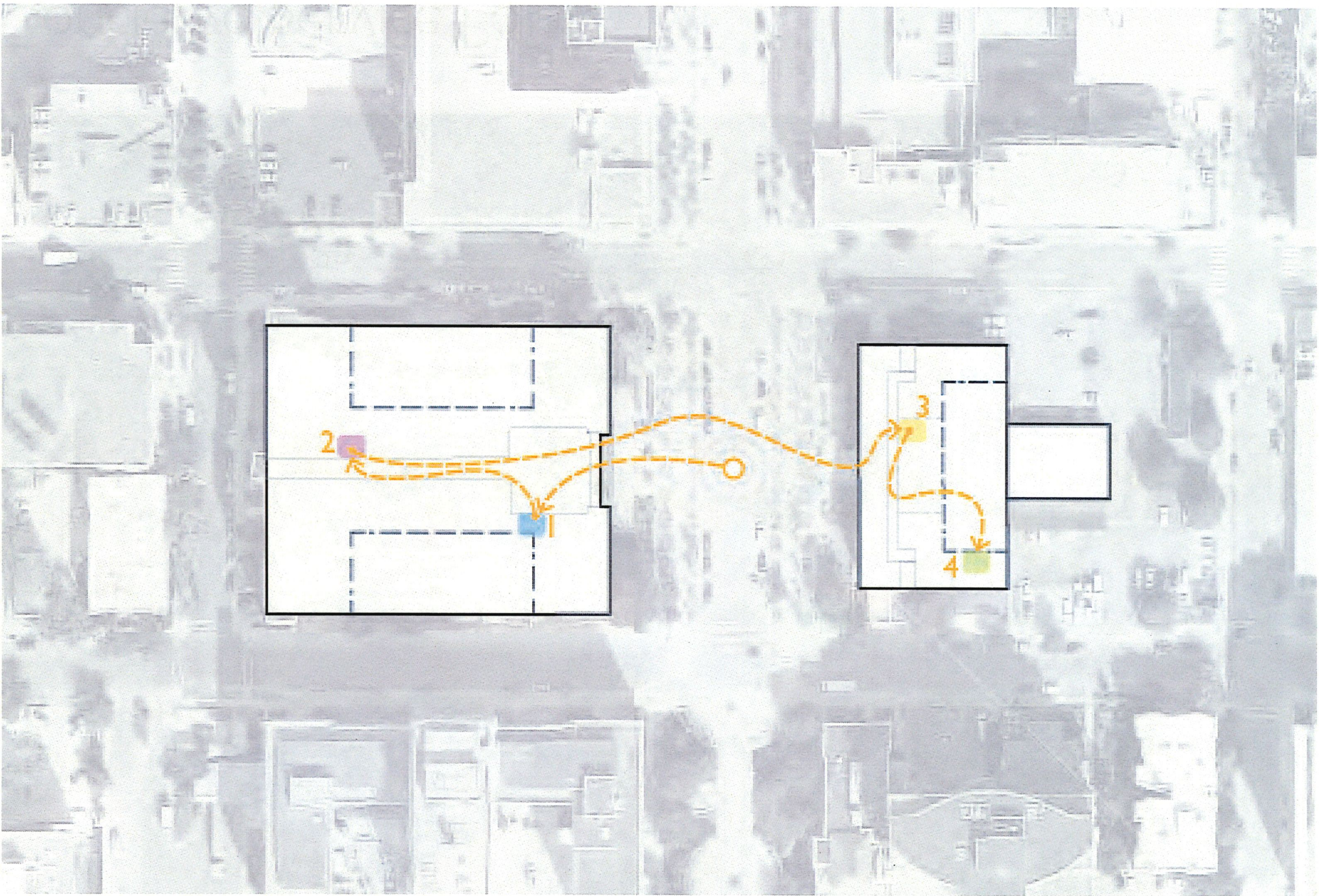
MMB

-  City
-  County

Consolidate City in MMB + New Building



Service Oriented Citizen Engagement

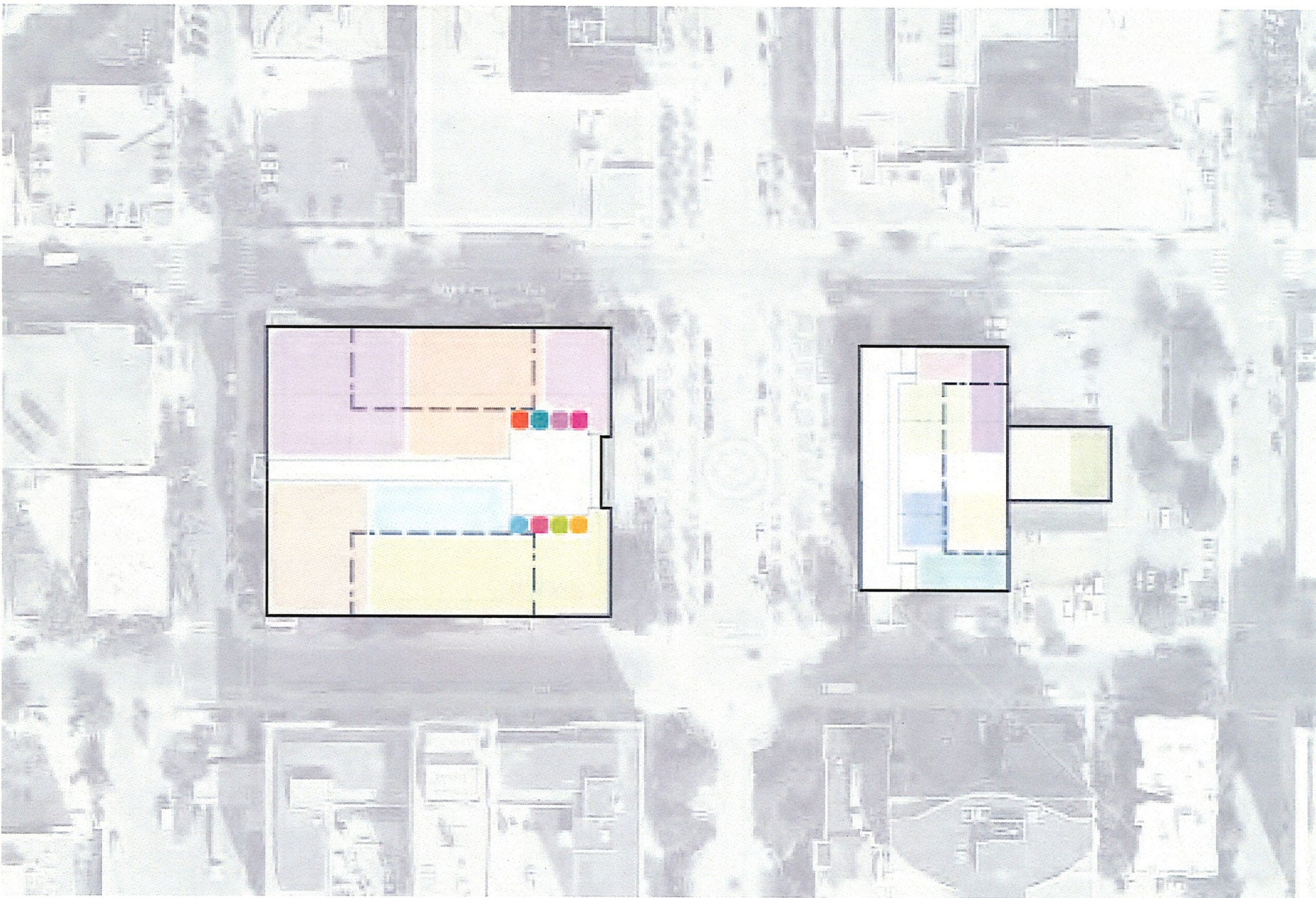


Concierge Service Point

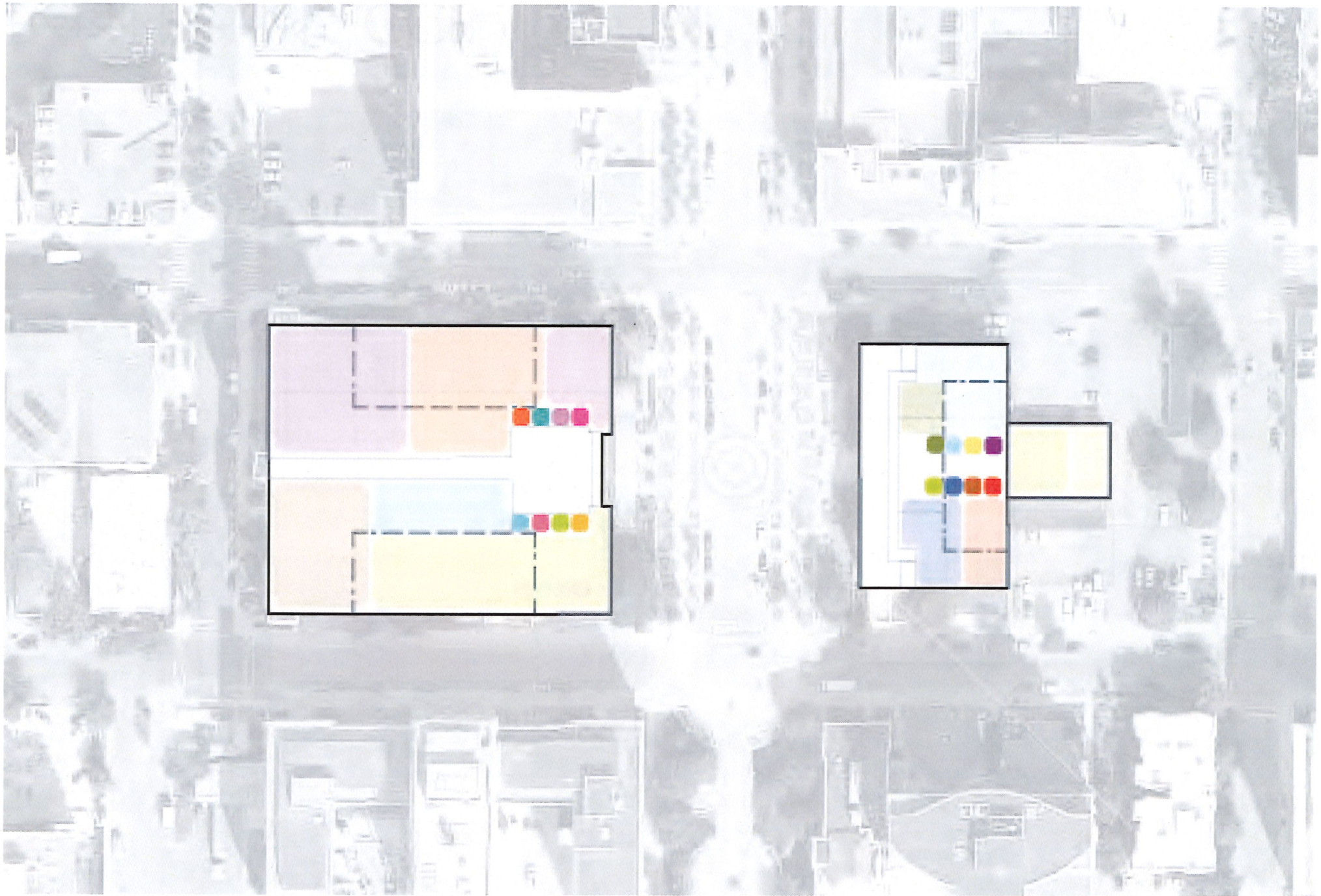


Concierge Service Point

New York City Information Center



Retail Model - CCB



Retail Model - CCB and MMB



Retail Model



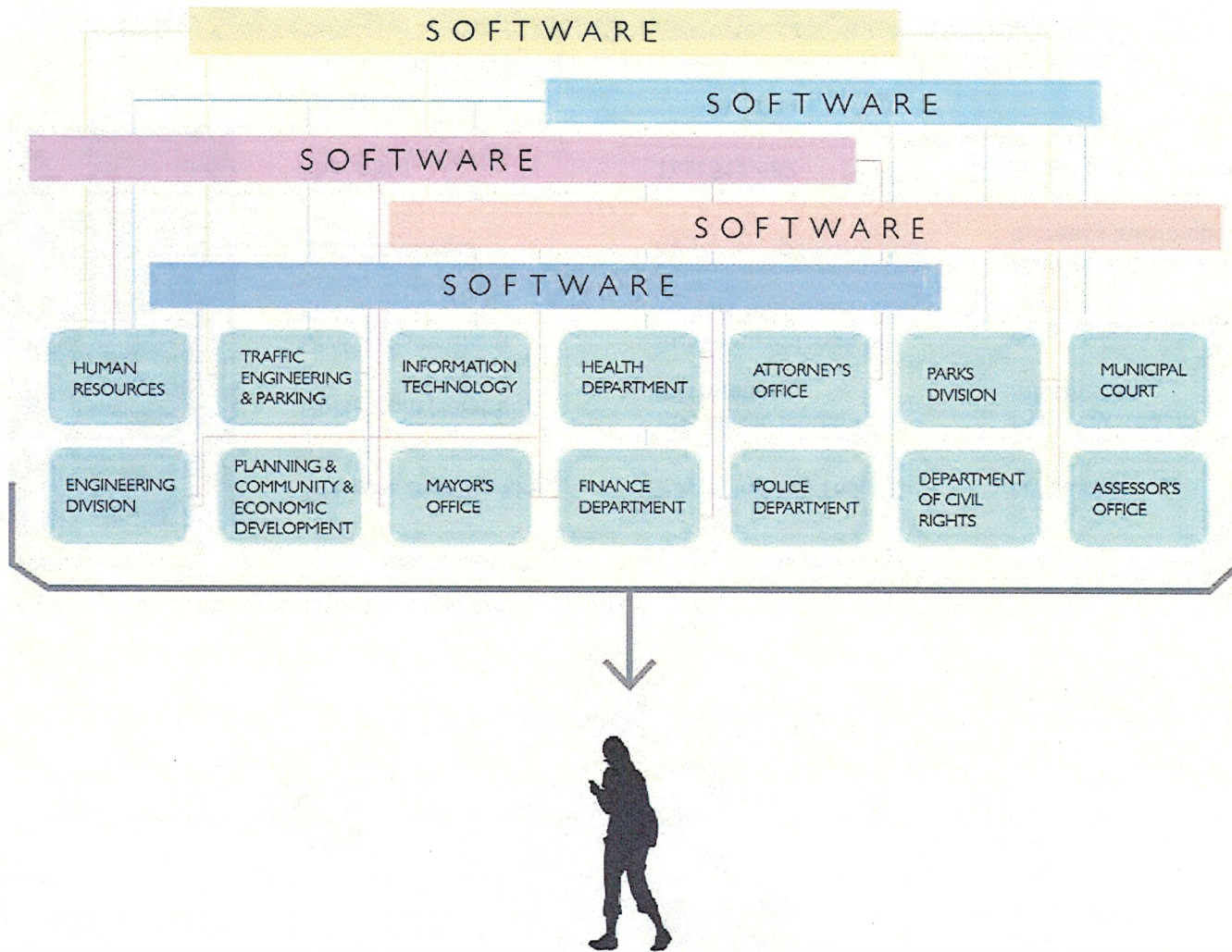
One Stop Shop



One Stop Shop

Almere Burgerzaken, Netherlands

Website
Apps
Navigation
Kiosks
Streaming News
Social Media
Forums



Broad Systems



How can we help you?

311 Search

START HERE:

- [Make a Complaint ▶](#)
- [Check Status ▶](#)
- [Make a Payment ▶](#)
- [My Neighborhood ▶](#)
- [Download 311 App ▶](#)

TOP REQUESTS:

- [Alternate Side Parking](#)
- [Pay a Parking Ticket](#)
- [NYC Jobs](#)
- [Noise from Neighbor](#)
- [Affordable Housing Information](#)
- [Property Record Information](#)
- [Civil Service Exam Information](#)
- [Public Assistance or Welfare Information](#)
- [Yellow Taxi Lost and Found](#)
- [Birth Certificate](#)
- [Food Stamp Information](#)
- [New York City Rent Increase Information](#)
- [About 311](#)
- [Text 311-692](#)
- [Download the 311 app](#)

TODAY

AUG 06



Alternate side

MTA Service Status

Last updated: 8/6/2014 3:28:01 PM

SUBWAY RAIL BUS BRIDGES & TUNNELS



GOOD SERVICE

Upcoming Holidays

08/15/2014
Feast of the Assumption

Notify NYC

GET MOBILE ALERTS ▶

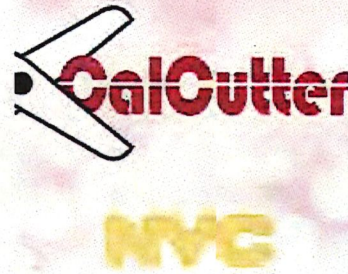
8/6/2014 2:59:00 PM

- Education
- Environment
- Health
- Housing & Development
- Public Safety
- Social Services
- Transportation



ABC Eats
Find restaurant grades and inspection reports for restaurants in NYC.

DOWNLOAD
↓ iOS



CalCutter
Calculate the estimated calories per serving for your recipes.

DOWNLOAD
↓ Android ↓ iOS



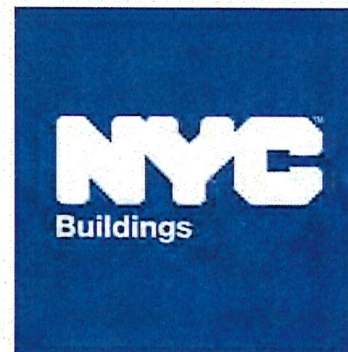
MiNY Discount Vendors
Find vendors who participate in the "Made in NY" Discount Program.

DOWNLOAD
↓ iOS



NYC 311
Find government services or report service requests to 311.

DOWNLOAD
↓ Android ↓ iOS



NYC Buildings
Use the Department of Building's most popular search features.

DOWNLOAD
↓ Android ↓ iOS



NYC Condom
Find free condoms no matter where you are in New York City.

DOWNLOAD
↓ iOS ↓ Android

RT @GovHerbert: Nominees Announced for Third District Court Vacancy <http://t.co/3C6sjDiWVd> #utah

AUG 6

Utah Outdoor Retail Summer Market

Looks like you're out of Utah. Showing: Salt Lake City

Find Services, Agencies, Locations and More Search

Government Headlines ZOOM

Utah Employment Grows at 3.5 Percent in June

In Salt Lake City ZOOM

69 Offices, schools, libraries, parks, and more near you. 11 Upcoming Public Notices 20,912 Utah Jobs Available

Utah.gov Highlights ZOOM

taxpayer receipt Discover where and how your tax money is being spent.

Online Services

Smarter eGovernment

The Economics of Online Services in Utah

Financial Savings

\$46M

The cost savings from moving only 9 of Utah's services online was approximately \$46 million over 5 years.

\$15M

The state avoided over \$15 million in costs, over 5 years, by using a self-funded model.

Average Service Costs

The average cost per transaction to provide a service online is \$3.91 compared to \$17.11 to provide the service offline - a difference of \$13.20 per transaction

$$\begin{array}{r}
 \$17 \\
 \hline
 - \$4 \\
 \hline
 = \$13
 \end{array}$$

1000+ Online Services

Beginning in 1999 with just one service, Utah.gov now offers 1,000 online services



WWW.CPPA.UTAH.EDU

Featured Services



Annual Business Renewal

Renew, Update, or Reinstatement Utah Business Entities



Renewal Express Vehicle Registration Renewal

Renew your registration for automobile, watercraft and off-road vehicles with the DMV.



Hunting & Fishing Licenses Online

Application for purchasing hunting and fishing licenses online.

Filter Services

All Categories

Find a Service

Find an Online Service

Go

people first: Employee Oriented Workplace

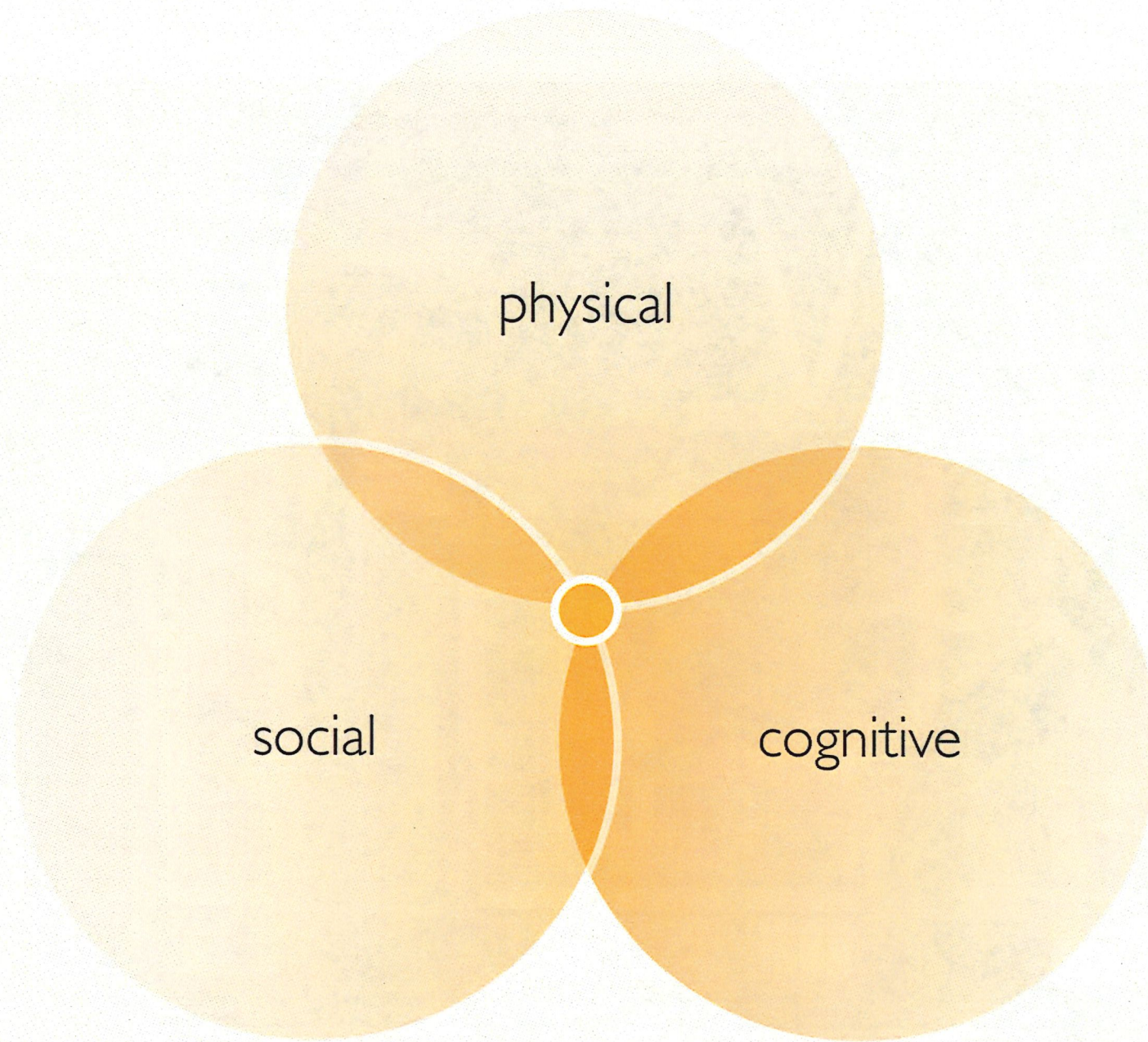
Health & Well-being of People

Attract & Retain the Right People

Employee Engagement

Absenteeism & Presenteeism

Image of Organization



Health & Well-being



Health & Well-being *Physical*

Urban Outfitters Corporate Campus



Health & Well-being *Cognitive*



Health & Well-being *Social*

Shutterstock Headquarters

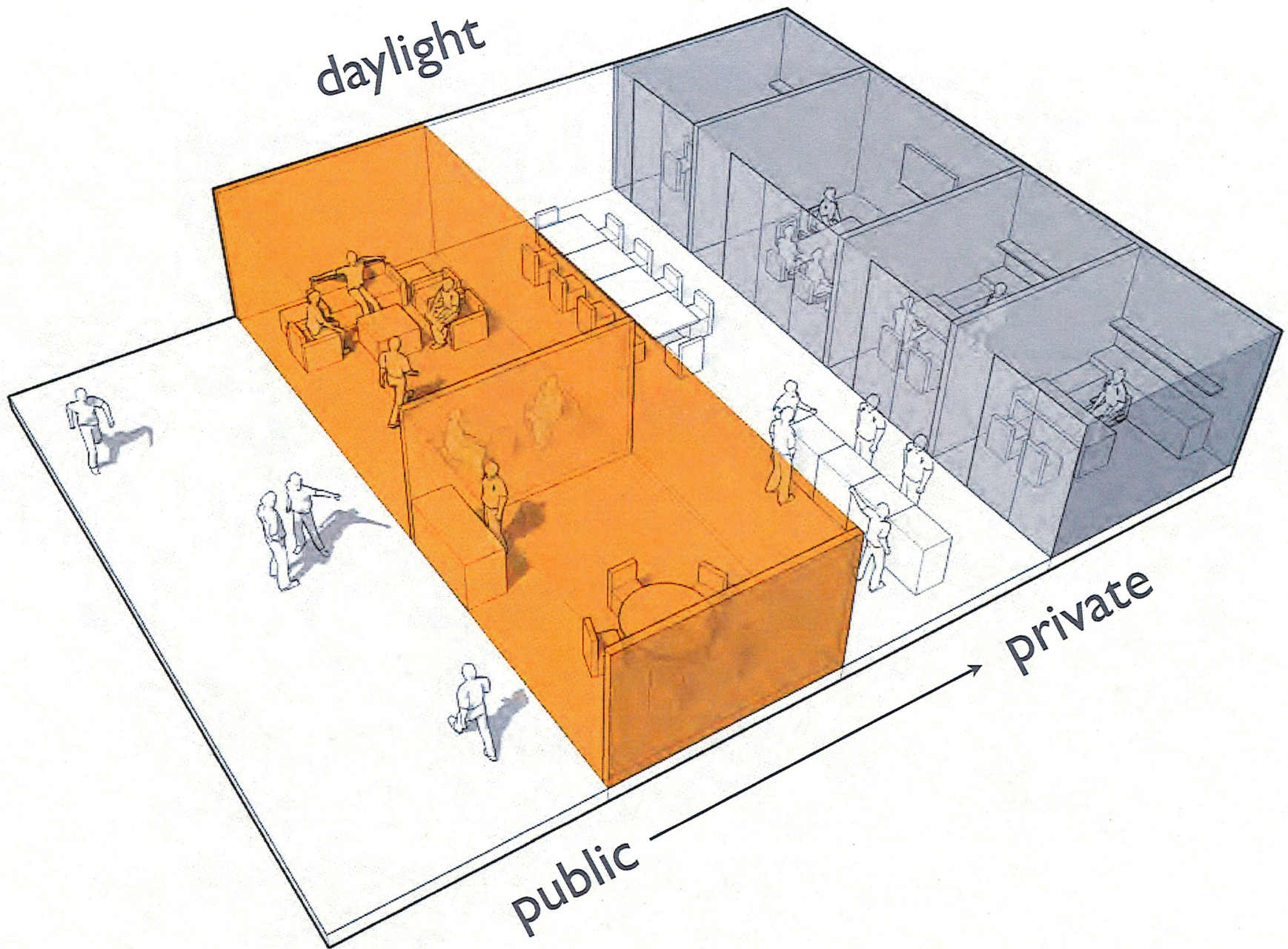


Image *Internal & External*



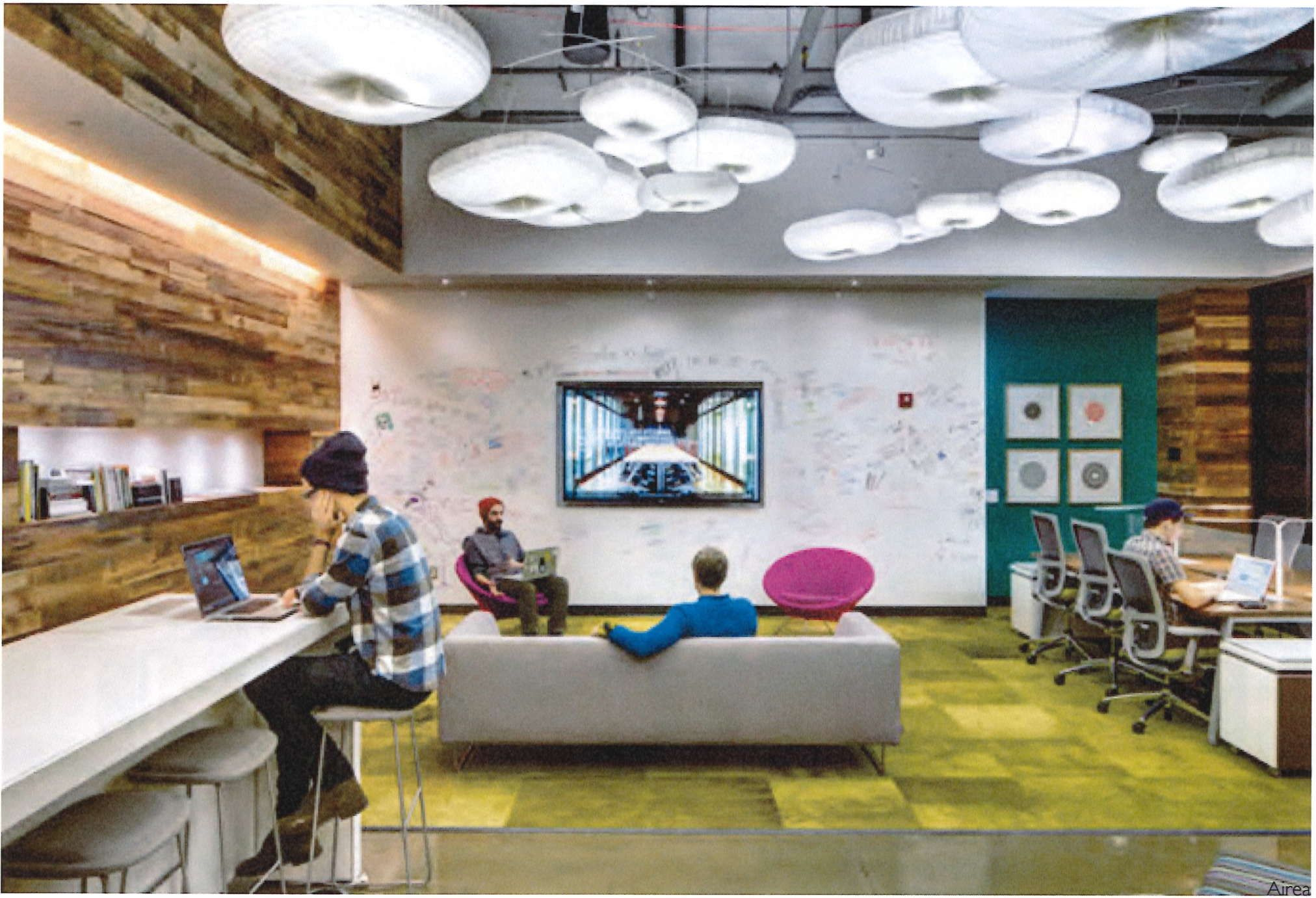
Image *Attract & Retain*

Square, Inc Headquarters



Employee Engagement *Productivity*

Purpose



Airea

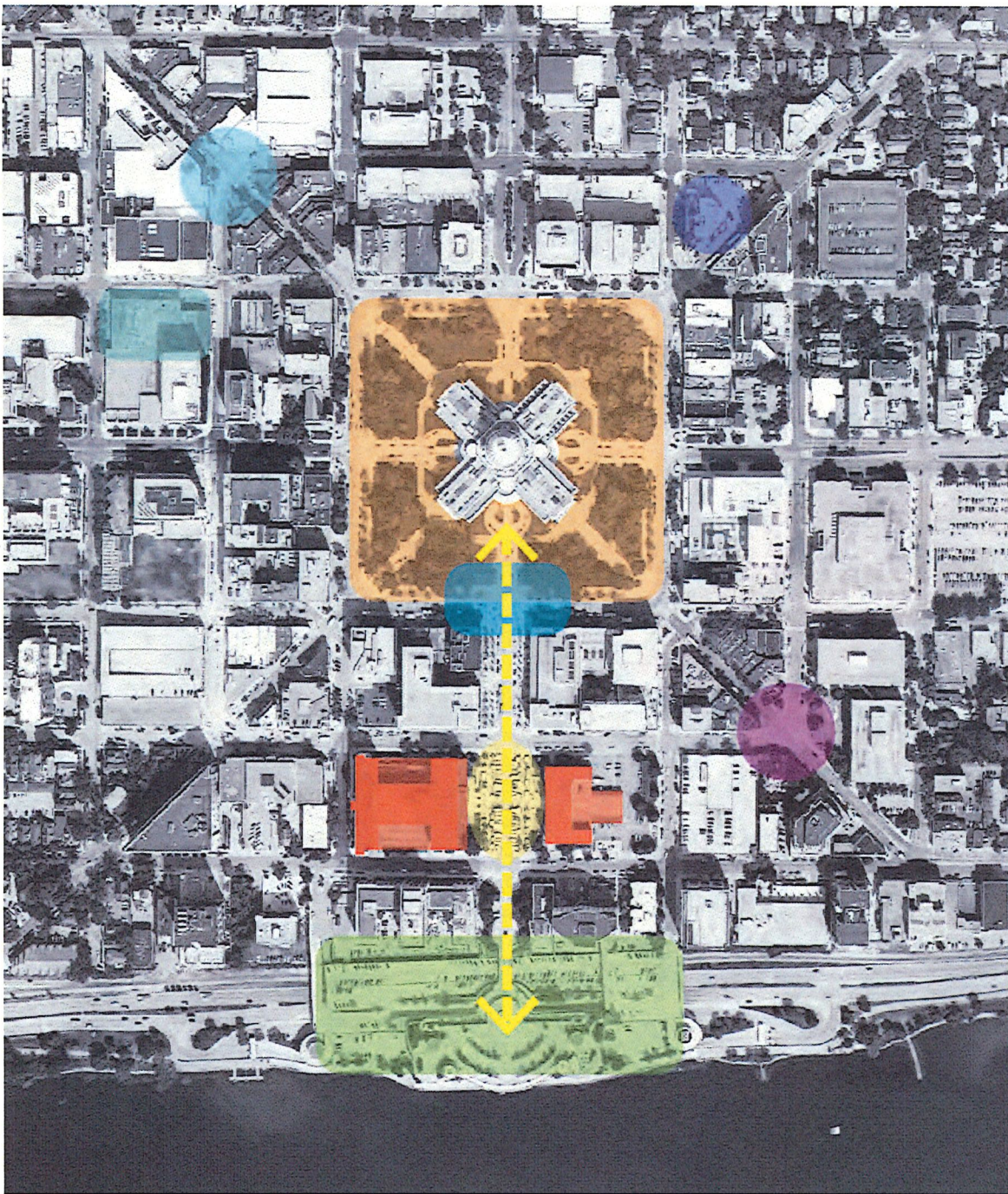
Employee Engagement *Absenteeism & Presenteeism*

Civic place-making as design driver

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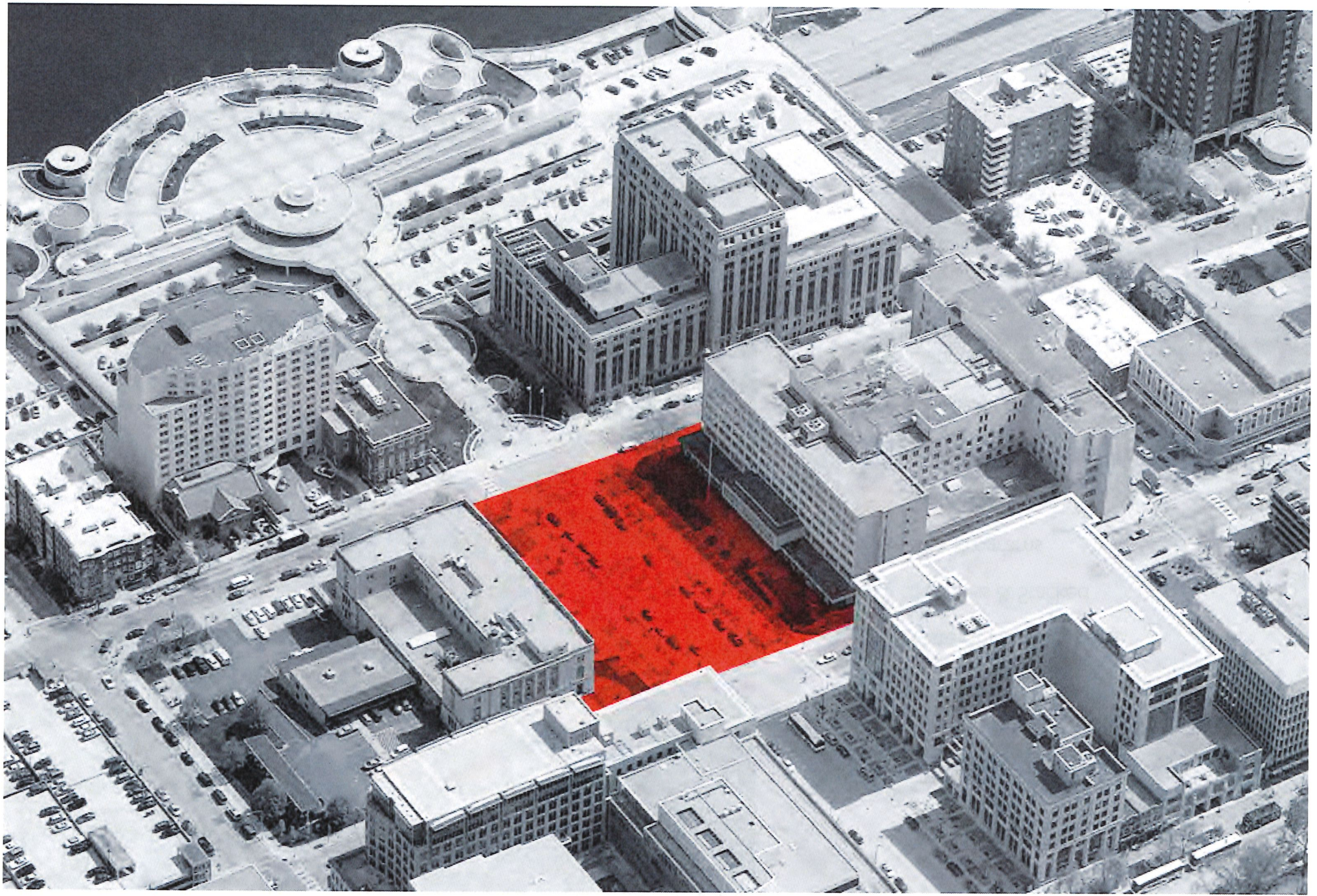


Site Context

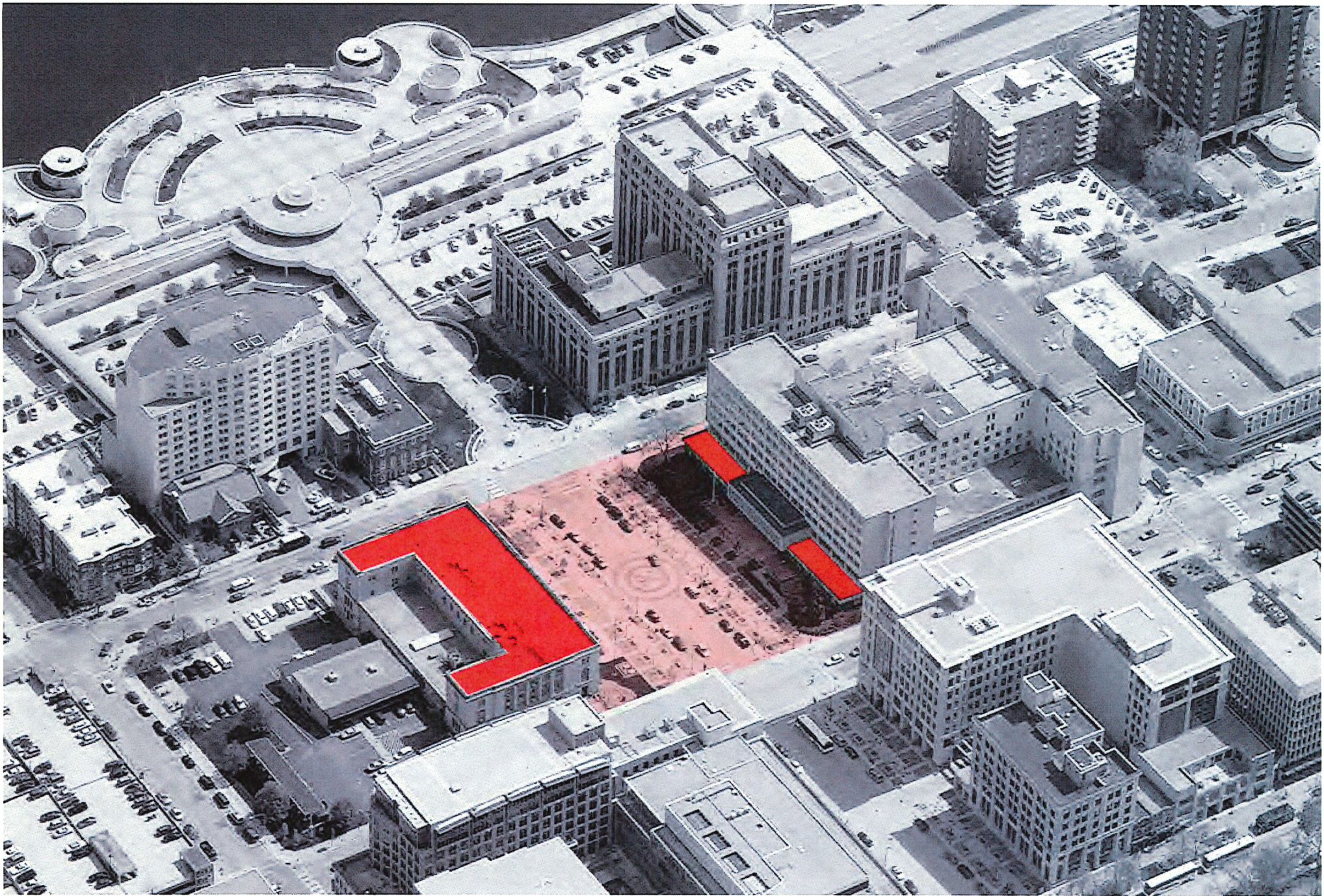


- Jazz @ 5
- Taste of Madison
- Bookless & Stacked
- Kids Programs
- Taste of Madison
- Farmers Market
- Concerts on the Square
- Dane Dances!

Existing Community Programming



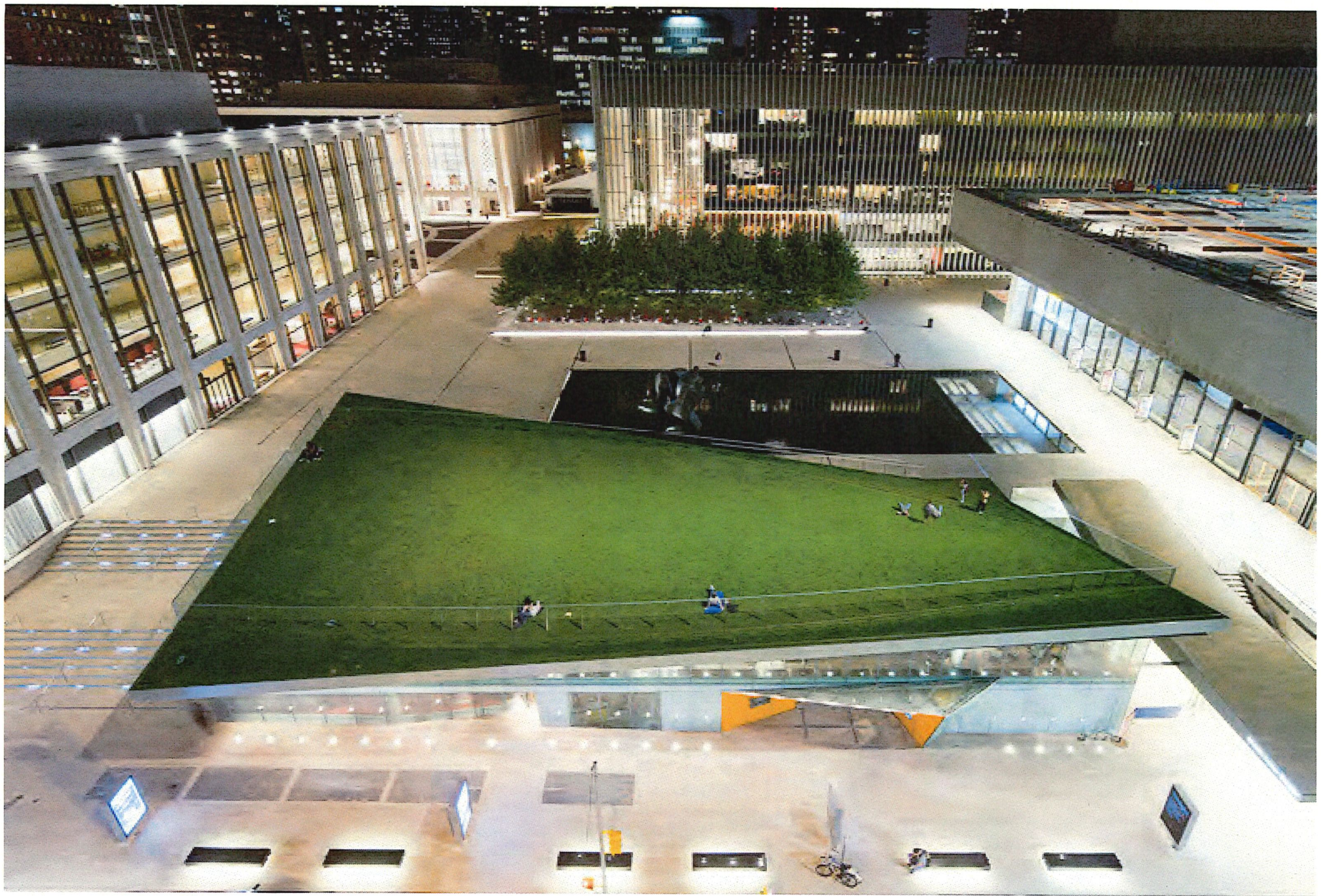
Plaza Diagram



Roofdeck Diagram



Republic Square. Austin Texas



Hydar Pavilion. New York NY



Hybar Pavilion. New York NY



Rathausplatz. Augsburg Germany



Rathausplatz, Augsburg Germany



Director Park, Portland OR



Director Park, Portland OR



Mantova. Italy

Design principles

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