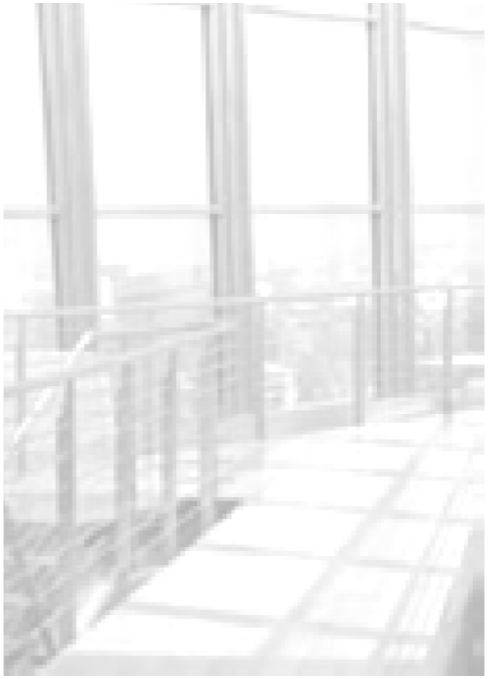


developing a sustainable rating system for justice

november 4, 2011

acknowledgements

academy of architecture for justice

aaj sustainable justice committee

writers/ editor/ reviewers

graphics wizards

justice partners

sustainable justice

- Environment, Economy, Equity
- Sustainable system/ building/ operations
- Green Guide to Justice/ LEED-J
- Community impact

our goals

- define a vision for a Sustainable 2030 justice system
- refine with our Justice Partners
- present to the US Council of Mayors, USGBC, National Association of Counties
- endorsement by Justice Partners
- policy by Local, State, National Government

progress

Sustainable Justice Workshops -AAJ Conference

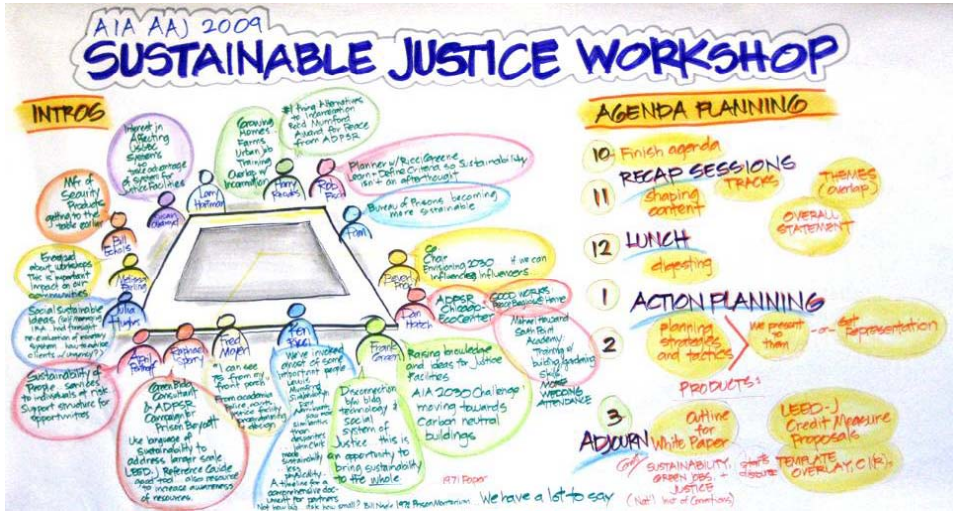
- San Francisco 2008
- Chicago 2009
- Los Angeles 2011

Sustainable Justice presentation -AIA Convention

- Miami 2010
- New Orleans 2011

Green Guide to Justice

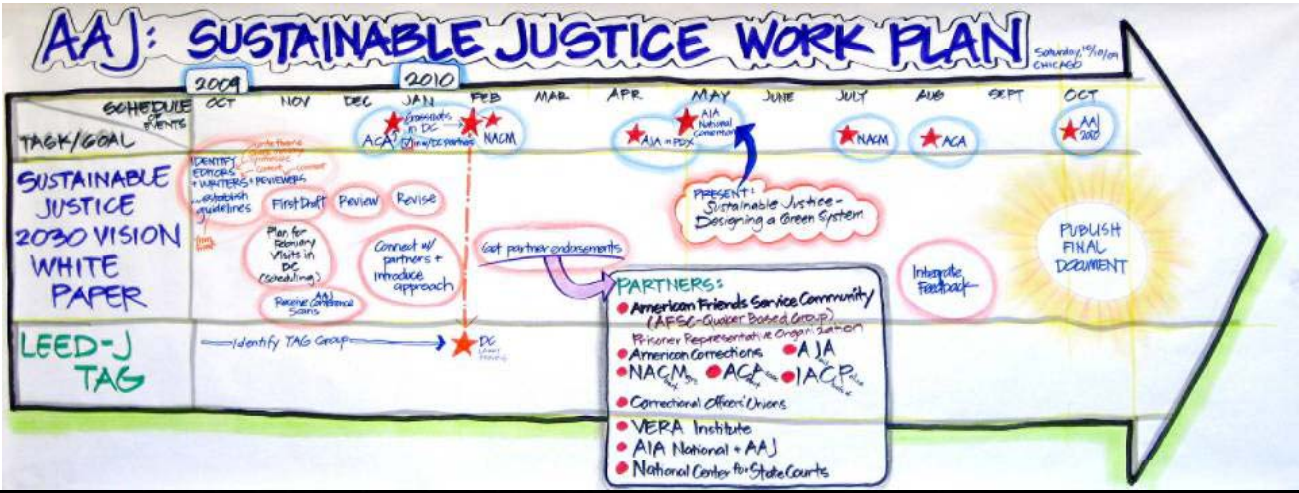
- Fall 2010



next steps

- promulgate Green Guide to Justice
- seek endorsement from Justice Partners
- dialogue with USGBC and define LEED-J

- your Local government!



agenda

existing buildings /operations	Julia Hughes, AIA Raphael Sperry, AIA
law enforcement	Beverly Prior, FAIA Raphael Sperry, AIA
courts	Susan K. Oldroyd, FAIA Melissa Farling, AIA
detention/ corrections	Ken Ricci, FAIA Laurence Hartman, AIA

existing buildings / operations

Existing Buildings:
The Population Paradigm

A new role for buildings and administrative operations as the population paradigm shifts

Justice facilities are uniquely functionally co-dependent upon changing demographics and outside influencers.

Changes occurring in one component of the system have a reciprocal impact on other components within the justice system.

The desired outcome is a plan, a design, and an operation that satisfies evolving needs of many stakeholders.

Existing Buildings:
The Population Paradigm

Early analysis establishes need

Evolving populations affect bed counts

What happens when counts are off?

What is the planning, design, and operations response?

AAJ Sustainable Justice Committee - worksession on LEED-Justice requirements/overlay

	Broad Category	Specific Issue	Metric	References	Examples
1	Define population management approach	Plan for evolving populations	Reimagining/repurposing from within – "monitoring in-place" with a programmatic action plan that tracks shifts in population Strategic approach must consider state-wide alignment of goals, information, and process of all major stakeholders – "outside influencers" Establish range of short and long-term objectives specific to geographic locations: urban vs rural		
2	Community Connection	Siting and access	Community-based Services Center		
		Lifecycle benefits of successful transition	Operational systems for educational, life skills, social skills, and marketable job skills benefit a purposeful transition and long-term success for the inmate and the community		
3	Project Definition & Implementation Plan	LEED Certification	Register project with USGBC for LEED Certification Initial LEED workshop and checklist review		
4	Design	Integral flexibility	Flexible secure perimeter with functions accessible for both secure and public use. Smaller or less secure housing units w/ multi-purpose amenities that support classification and operational flexibility / direct supervision without overdesigning spaces, building systems, and security components.		
5	Operations	Re-evaluate population assumptions	Define metrics for population management success: - research to test original assumptions - research follows youth beyond incarceration - recidivism - community success stories - Turn findings into action items		
6	Post-occupancy	Re-evaluate population assumptions	Define metrics for population management success: - research to test original assumptions - research follows youth beyond incarceration - recidivism - community success stories - Turn findings into action items – task teams, programs, community-based connectors/mentors, legislation, training, bringing info back to planning/design		

Existing Buildings:
The Population Paradigm

AAJ Sustainable Justice Committee - worksession on LEED-Justice requirements/overlay

	Broad Category	Specific Issue	Metric
1	Define population management approach	Plan for evolving populations	

Planning Response:

Reimagining / repurposing from within:

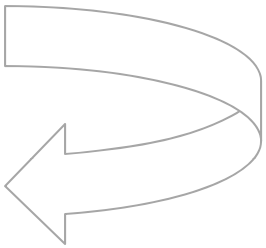
"monitoring in place" with a programmatic action plan that keeps abreast of changes and has actions in place

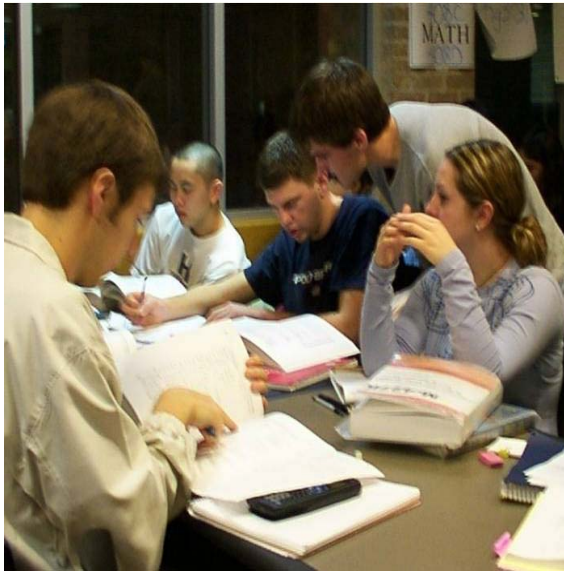
- Strategic approach for state-wide alignment of goals, information, process of major stakeholders – "outside influencers"
- Establish range of short and long-term objectives specific to geographic locations
- UCJDC examples, PA example, others?

Existing Buildings:
The Population Paradigm

AAJ Sustainable Justice Committee - worksession on LEED-Justice requirements/overlay

	Broad Category	Specific Issue	Metric
2	Community Connection	Siting and access Lifecycle benefits of successful transition	





Planning Response

Reimagining/repurposing from within:

"monitoring in place" with a programmatic action plan that keeps abreast of changes and has actions in place

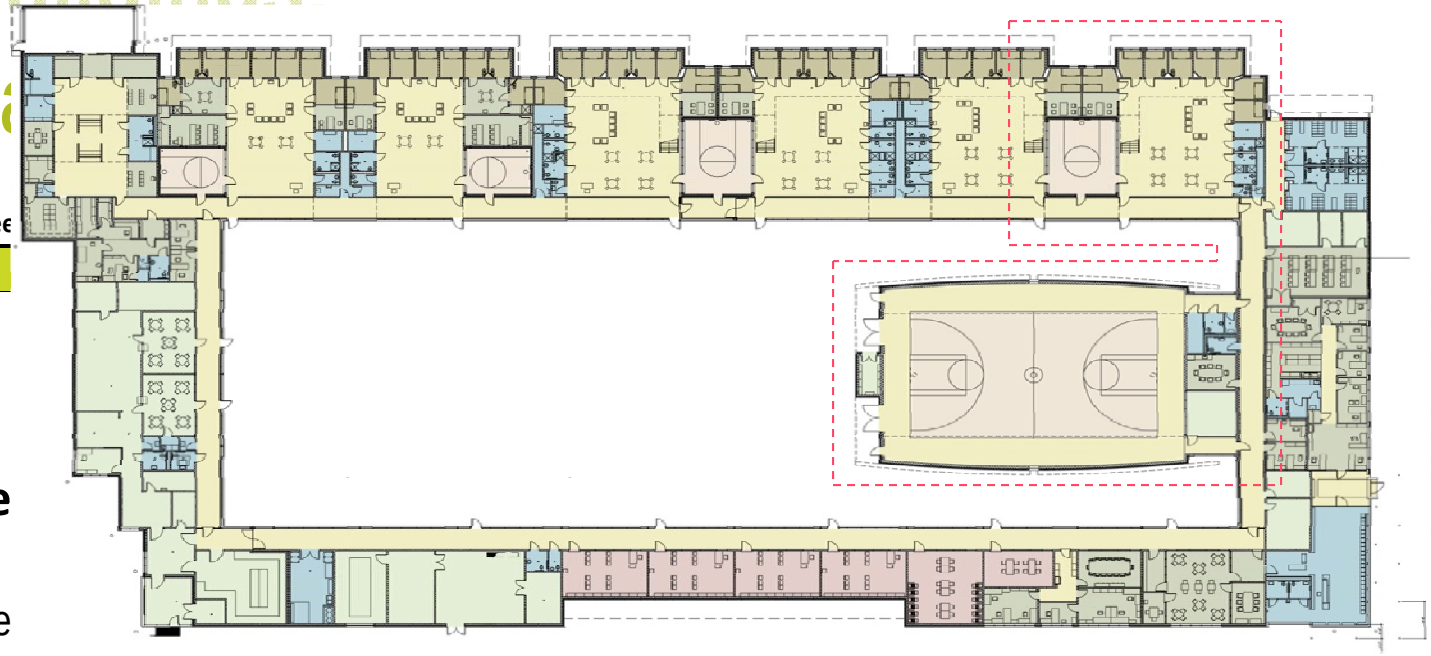
- Community-based Services Center
- Mental health program and other community-based engagement
- Provide communal satellite work environments and multi-purpose space that is usable by justice partners and the community.
- Operational systems: educational, life skills, social skills, and marketable job skills

Existing Buildings:
The Popula

AAJ Sustainable Justice Committee

Broad Category

4 Design



Design Re

- Flexible
  - Functions accessible from both sides of the secure perimeter - to service providers, youth, family, and community
  - Enable a shift for specific zones within zones, and schedule flexibility
  - Reliant upon automatic control systems as well as human interaction and control

Existing Buildings:
The Population Paradigm

AAJ Sustainable Justice Committee - worksession on LEED-Justice requirements/overlay

	Broad Category	Specific Issue	Metric
5	Administrative Operations	Administrative Operational Response Re-evaluate population management success	

Administrative Operational Response

- Flexibility in staff culture to manage various populations
  - Staff can be cross trained and introduced to a more service-based culture of preparing for release, stewardship bridging service providers, youth, family, and community
  - Programs "in place" to respond to changing need

Existing Buildings:
The Population Paradigm

AAJ Sustainable Justice Committee - worksession on LEED-Justice requirements/overlay

	Broad Category	Specific Issue	Metric
5	Administrative Operations	Administrative Operational Response Re-evaluate population management success	

Administrative Operational Response

- How will spaces be used? When? By whom?
- Evening reporting
- Shelter program vs detention center, family access to building (flexible secure perimeter allows increased accessibility)
- Continuity of care for youth & family – same advocate for journey through the system & beyond – crossing the age barrier as youth becomes a legal adult

Existing Buildings:
The Population Paradigm

AAJ Sustainable Justice Committee - worksession on LEED-Justice requirements/overlay

	Broad Category	Specific Issue	Metric
6	Post-Occupancy	Re-evaluate population management success Effectiveness of sustainable philosophies – human lifecycle	

Ex-residents of juvenile hall building new facility

Detention center gives chance to work in construction

By Chris Metinko
MEDIANEWS STAFF

As he works in the nearly completed $176 million Alameda County Juvenile Justice Center, Ramiro Barajas talks about the drastic change of direction in his life.

RAMIRO BARAJAS, 19, (left) operates th system as Wayne Perry (right), the nerstone Transportation Consulting Juvenile Justice Center in San Le

Perry for a chance at a rigorous 12-week program.

Perry began the foundation 20 years ago. He wanted to create a program where kids could learn about a trade that interested them, something

been residents of the old hall — all now learning skills to help build a career.

"I think this all has made me career driven," said Ashton Senior, 19, of Fremont, a Cornerstone graduate and now the on-site office engineer. "I think it's helped shape my life and shown me what's out there. Its helped me grow."

Jim Mosier, senior construc-

JULIO GONZALES, 20, of Hayward works on a door handle Thursday at the new Juvenile Justice Center in San Leandro. He i a graduate of the Cornerstone Foundation program.

Metrics of Success

Measure effectiveness of sustainable philosophies differently (more than just with lifecycle costs of building systems ---- what are the metrics of system influencers –

- System-wide impacts
- Focusing the transition
- Understanding the success
- Turn findings into action items

Existing Buildings:
Green Concerns & Key Metrics

- Alternative commuting rate
- Energy STAR score
- Plumbing fixture flush & flow rates
- Recycling rate
- Outdoor air ventilation rate

Key Personnel:
Operations v. New Construction

New Construction

- Owner
- Architect
- M/E/P Engineers
- Task: Design

Operations

- Owner
- Property Manager
- Chief Engineer
- Task: Preventive Maintenance

Existing Building Rating Systems

LEED	EnergySTAR
Non-profit (USGBC)	Government (EPA)
Whole building (energy, water, materials, healthy building, etc.)	Energy only
Management & performance	Performance only
Fees: $1,200 + $0.03/sq.ft. ($15,000 max.)	free
Available to all Justice building types	Only available to Courts

Key Criteria:
LEED Building Design v. Existing Buildings

LEED – BD&C

- Energy Model
- Commissioning
- Verification plan
- Transit Facilities
- Construction Materials & Jobsite Waste

LEED – EBOM

- Energy Star (actual consumption)
- Energy Audit / Retro-Commissioning
- Sub-metering (actual use)
- Transportation surveys
- Daily use material consumption & ongoing recycling rate

Planning for Green O&M

Measure it to manage it:

- Electric sub-metering, especially lighting
- Water sub-metering
- Maintenance access to lights, equipment
- Loading dock & waste flow planning
- Landscape design, e.g. plant selection
- Operations manuals
- Involve O&M staff during design

O&M Concerns for Justice Buildings

- Shared facilities – access control
- Extended hours of operation – 24/7
- Durability

LEED & Community Metrics status & development

- Where LEED is now:
  - Some community recognition in LEED-ND (e.g. affordable housing)
  - Working group on *social equity*
- Where LEED is going:
  - No new market sector *adaptations* until 2013 at earliest
  - *Pilot credit* process to introduce new ideas

law enforcement
POETIC
PRAGMATISM
NOVEMBER 2-4, 2011
LOS ANGELES, CA
CELEBRATING CREATIVE, COST EFFECTIVE, AND
FUNCTIONAL DESIGN FOR JUSTICE FACILITIES
AIA

AAJ Sustainable Justice Committee - worksession on LEED-Justice requirements/overlay

LAW ENFORCEMENT

1 build only what you need

Pre-Req or Points	Justice Building Type	Broad Category	Specific Issue	Metric	References	Examples
Pre-Req	All	**Perform an independent needs assessment**	Build only what you need	Needs Assessment Minimum Criteria: 1. Articulate the mission 2. Identify the outcome measures 3. Provide evidence to support the approach 4. Have needs assessment reviewed and commented on and endorsed by a criminal justice stakeholders committee	Need to find example that recommends community policing and community benefits	TBD
Pre-Req	Law Enforcement	**Perform an independent needs assessment**	Build only what you need	Assess time period usage of spaces to assess multiples uses for each space.	Show example of conference room use analysis, example of EOC built into community room	Candidates for reducing space through multiple uses include: - conference rooms - training/EOC /community rooms - shared workstations for 24/7 positions
Points	All	**Workplace Technology**	Build only what you need	Reduce storage requirements through electronic filing, compact storage systems for files and evidence		
Points	All	**Workplace Technology**	Build only what you need	Reduce workstation size through efficient furniture systems		Laptops in report writing, laptops in patrol cars
Points	All	**Workplace Technology**	Build only what you need	Share workstations for those that do shift work		Having dedicated files and chairs
Points	All	**Regional Resources**	Build only what you need	Provide resources to neighboring communities or contract resources to neighboring communities		Regional 911 / Communication Centers; Regional Training Facilities; Crime Labs

AAJ Sustainable Justice Committee - worksession on LEED-Justice requirements/overlay

LAW ENFORCEMENT

Pre-Req or Points	Justice Building Type	Broad Category	Specific Issue	Metric	References	Examples
Points	All	**Community connection**	Siting	Locate near populations centers with good community access, near other justice system and social service institutions		
Points	All	**Community connection**	Community amenities	Provide community serving spaces such as gymnasiums, meeting rooms, co-locating with other community-serving functions		
Points	Law Enforcement	**Community connection**	Community accountability	Provide checks and balances through having civilian complaint review boards	If we're interested in this one, Raphael will research to see if there are guidelines	San Francisco is an example of this
Points	Law Enforcement	**Community connection**	Community accountability	Regular review of racial profiling statistics (and corrected actions) for key metrics like traffic stops/ street frisks/ issuing infractions, etc.	CALEA or NACOLE standards adopted	
Points	Law Enforcement	**Community connection**	Community outreach	Provide programs and support to communities that support crime prevention, awareness		Neighborhood Safe, Family counseling, Youth Services, School Resource programs, etc.
Points	All	**Resource use**	Green operations	Reduce use of paper through electronic filing		
Points	All	**Human Resources**	Stress reduction for staff	Provide a work environment that is conducive to a physical and mental health of the staff	Find a study on law enforcement staff stress and impact on service	Employee break rooms, outdoor break areas, fitness room, lockers, access natural light and air, views to nature

2 community connection

3 green operations

4 staff support

1 build only what you need

> perform an independent needs assessment

pre-requisite!

justify need to grow, need to change

- population trends and demographic bubbles
- ratios of sworn to non-sworn staff per thousand population relative to standard ratios
- assess existing facilities

assess optimal operational approach

- service area study, organizational study
- sharing with other agencies

1 build only what you need

> perform an independent needs assessment:

credit! assess time periods of space usage to maximize use of each space

(meet 100% of criteria below)

- conference rooms use analysis – minimum % planned usage
- shared workstations – min. ratio of workstations to staff
- open workstations – min. ratio of workstations to offices

example:

- Community room = training room = EOC = press room

1 build only what you need

> workplace technology

credit! reduce storage area requirements

- electronic records
- compact storage systems for files and evidence

credit! reduce workstation size

- efficient furniture systems

1 build only what you need

> regional resources

credit! share resources with other communities
(provide to others or contract from others)

- dispatch/911
- emergency operations center
- forensic labs
- medical examiner
- patrol?
- investigations?
- joint operating agreements?

2 community connection

> siting

credit! locate near population centers
within 1 mile of central business district

credit! locate near other civic and/or justice functions
within ¼ mile of other civic and justice functions

2 community connection

> community amenities

credit! provide community-serving spaces

- community-access meeting rooms
- fitness room accessible to all agency staff
- co-locate with other community-serving functions

2 community connection

> community outreach

credit! support communities in crime prevention and awareness programs (evidence by # of programs)

- neighborhood safe
- family counseling
- youth services
- school resource programs
- gang prevention
- community service centers

2 community connection

> accountability:

pre-requisite? perform regular review of racial profiling and statistics

credit! achieve credentialing through CALEA or NACOLE

The Commission on Accreditation for Law Enforcement Agencies

- JV of law enforcement executive associations IACP, NSA, PERF, and NOBLE
- Requires comprehensive, uniform set of written directives
- Provides a continuum of standards that define authority, performance, and responsibilities

The National Association for Civilian Oversight of Law Enforcement

- Network of agencies that oversee Law Enforcement activities from outside the agency
- An outside review body a direct form of community accountability

3 green operations

> resource use

pre-requisite!

reduce paper usage

- electronic records

credit!

reduce trips

- remote records access for public

credit!

reduce non-renewable resource use

- Use alternative fuel vehicles

4 staff support

> staff stress reduction

credit! provide a healthy work environment
(minimum # of below)

- employee break rooms
- outdoor break areas
- fitness room
- access to natural light and air
- views to nature

courts

POETIC PRAGMATISM

NOVEMBER 2-4, 2011
LOS ANGELES, CA

CELEBRATING CREATIVE, COST EFFECTIVE, AND FUNCTIONAL DESIGN FOR JUSTICE FACILITIES

AIA

AAJ Sustainable Justice Committee - worksession on LEED-Justice requirements/overlay

	Pre-Req or Points	Justice Building Type	Broad Category	Specific Issue	Metric	References	Examples
1	Pre-Req	All	**Perform an independent needs assessment**	Build only what you need	Needs Assessment Minimum Criteria: 1. Articulate the mission 2. Identify the outcome measures 3. Provide evidence to support the approach 4. Have needs assessment reviewed and commented on and endorsed by a criminal justice stakeholders committee including law enforcement, prosecutors, defenders, judiciary, probation, detention, corrections, and community representatives	aoc provides well defined methodology - based on projected number of judges based on workload/caseload provided by them. also includes working closely w/reasonably broad committee including courts, aoc, local justice and gov't and/or public members. committee stays on thru programming & design. all stakeholders sign off on report. *(JFA)*	(1) san mateo county superior court - medium sized in bay area - main facilities in center of san mateo and near center of 2 other towns; (2) kern county superior court - very large county w/variety of facilities in main city (Bakersfield); (3) lake county superior court - new main courthouse in main town; (4) inyo county superior court - recommended to be in county seat (very small); (5) king county washington's unified juvenile and family courts. *credit: jay farbstein & associates (JFA)*
	Pre-Req	Courthouse	**Perform an independent needs assessment**	Build only what you need	Provide justification for number and types of judges and courtrooms based on case load analysis. Assess and develop options that reduce trips, travel time such as alternative jury call systems, video arraignment, electronic filing. Assess and develop options that reduce square footage such as collegial chambers, community dispositions, alternative document storage systems	see above	see above
2	Points	All	**Community connection**	Siting	Locate near populations centers with good community access, near other justice system and social service institutions	aoc will consider a variety of locations. if community strongly wants in the center, they will try. also go to more edge locations under some circumstances - and not always with good transport. some of the projects do include social or justice agencies (as opposed to just being close to them). *(JFA)*	programming and design for: (1) fresno b.f. sisk courthouse; (2) san joaquin - in downtown stockton; (3) porterville - adjacent to town center; (4) san jose - in center, well served by public transport, close to agencies; (5) shasta - in center; (6) yolo - in town center (woodland) *(JFA)*
3	Points	All	**Community connection**	Community amenities	Provide community serving spaces such as gymnasiums, meeting rooms, co-locating with other community-serving functions		
4	Points	All	**Resource use**	On-site energy generation	Establish targets for on-site energy generation	how is this different than standard LEED points?	san joaquin superior court uses heat transfer from ground water *(JFA)*
5	Points	All	**Provide a normative environment**	Access to natural daylight and views of nature	Provide significant amounts of natural light and views of nature if possible in jury assembly, courtrooms, office spaces, lobby, waiting areas, etc.	evidence that daylight and views of nature are important to health and stress (light intensity, spectrum, circadian rhythms); biophilia (e.o. wilson); roger ulrich hospital study; kaplan, parsons, et al; hartig & evans; kuo & sullivan; west and moore - separate nature in prison studies	(1) maricopa county superior courthouse; (2) federal building u.s. district courthouse, wheeling, west virginia; (3) east contra costa county courthouse, pittsburg, ca; (4) u.s. courthouse, alpine, tx; (5) haifa courthouse, haifa, israel

issues:

1 build only what you need : needs assessment

1a. provide justification for number/types of courtrooms
1b. involve all criminal justice stakeholders
1c. assess and develop options that reduce travel
1d. assess and develop options that reduce sf

2 community connection : siting

colocate other justice system and social service institutions

3 community connection: community amenities

provide community serving spaces

4 resource use: on-site energy generation – establish targets

5 staff & user support : provide normative environment – that reduces stress; enhances environment & health; increases productivity

issues:

1a. provide justification for number/types of courtrooms

example:

• needs assessments are required to determine future needs

• strategies to maximize use of space:

- judges decoupled from courtrooms
- flexible operational methodology

(long beach courthouse, long beach ca / aecom)

issues:

1b. involve all criminal justice stakeholders

example:

• california administrative office of the courts (AOC) - work with a broad committee including **courts, AOC, local justice and government and/or public members.** the committee stays on thru programming and design all stakeholders have to sign-off on report. (san mateo county superior court, kern county superior court, lake county superior court, inyo county superior court)

(san joaquin superior court - jay farbstein & associates and nbbj)

issues:

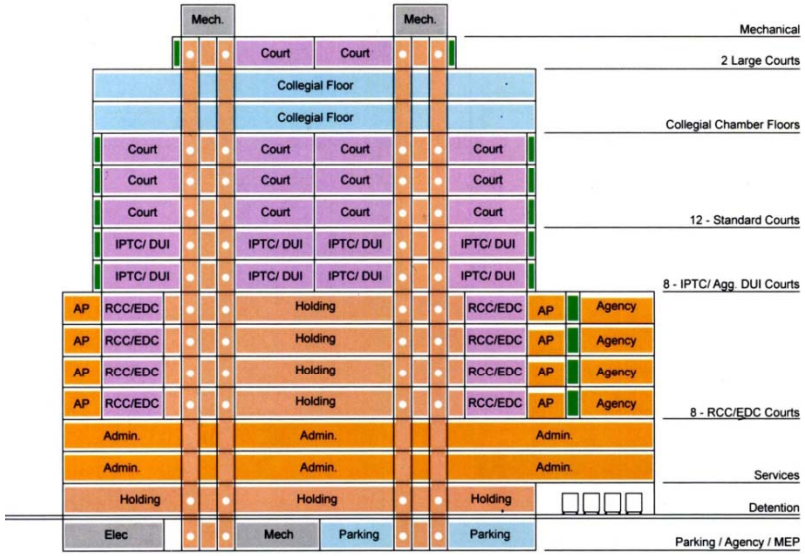
1c. assess and develop options that reduce travel

examples:

- video arraignment
- alternative jury call systems
- electronic filing
- colocation of related services and agencies
- online payments

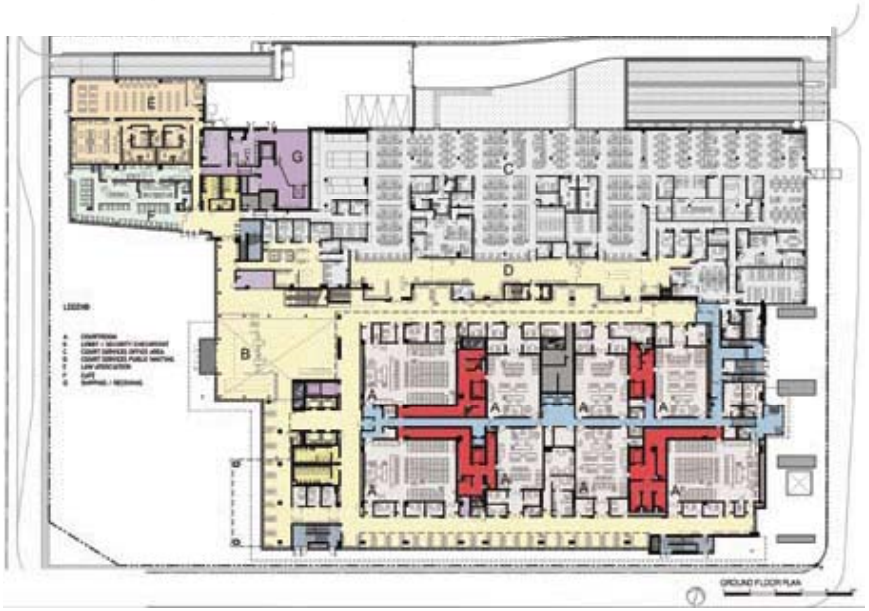
issues:

1d. assess and develop options that reduce sf



example:

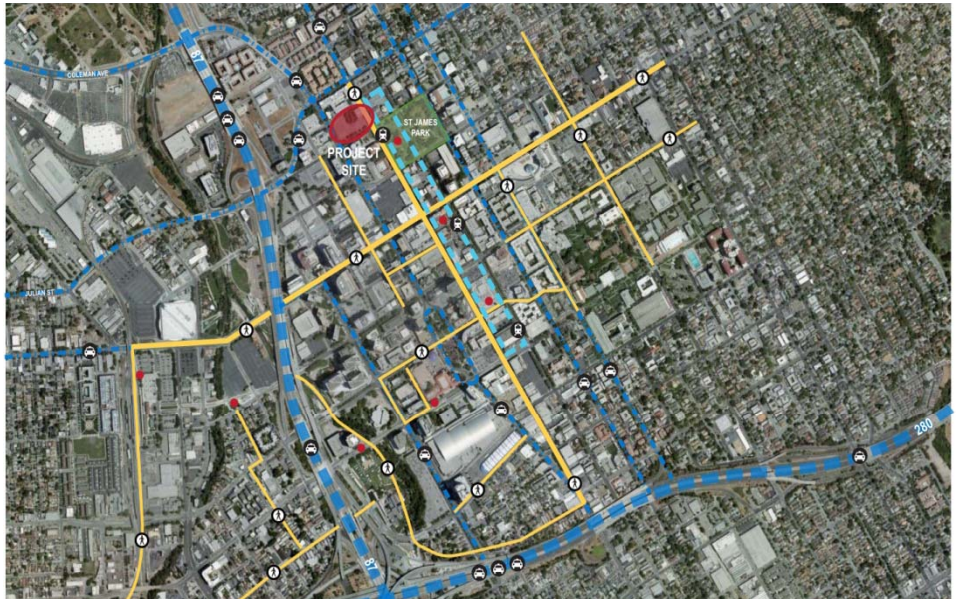
- schedule courtrooms for **multiple judges** and design **collegial chambers** to increase utilization of court spaces and reduce the built area.



(top: early programming diagram maricopa county superior court, phoenix, az, gould evans / aecom; bottom: durham consolidated courthouse, oshawa, ontario, wzmh architects)

issues:

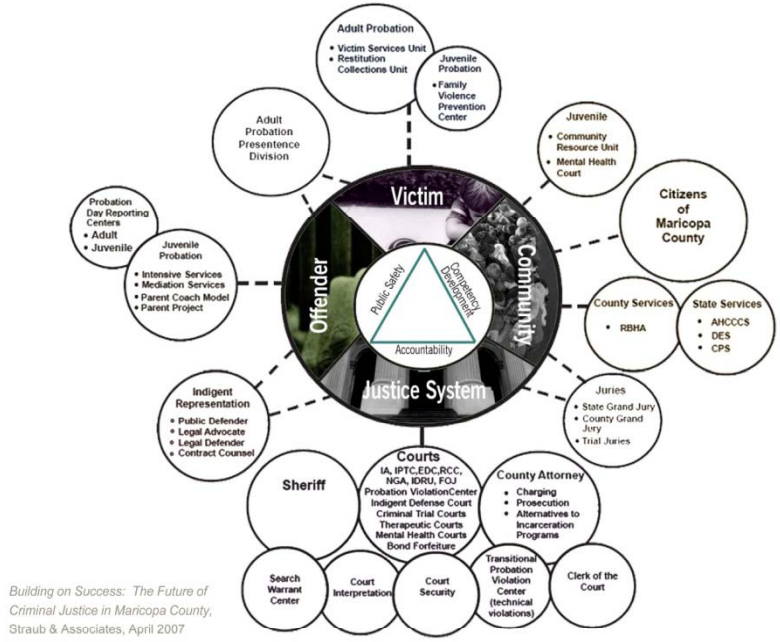
2. locate near centers with good community access, near other justice systems and social services



example:

- locate in **convenient locations** with **easy access** to public transportation, downtown districts, services and civic centers ; **consolidate** facilities
(santa clara county family justice center, san jose, ca/ jay farbstein & associates and smithgroup)

- **locate close to other justice facilities** – law enforcement, detention facilities,social services
(early maricopa county court diagram, straub & associates)



Building on Success: The Future of Criminal Justice in Maricopa County, Straub & Associates, April 2007

issues:

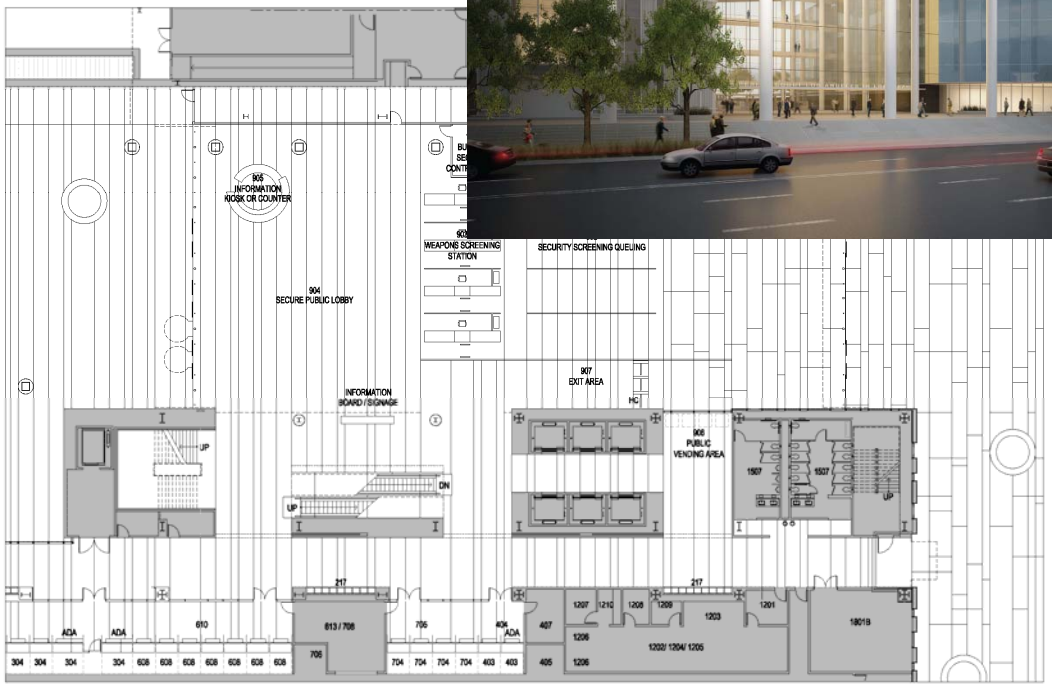
3. provide community spaces such as meeting rooms & gymnasiums

example:

- plan exterior spaces to serve as civic outdoor spaces

- allow jury assembly rooms or other assembly spaces to be used in off-hours for community uses

(long beach courthouse, long beach ca / aecom)



issues:

4. establish targets for on-site energy generation

example:

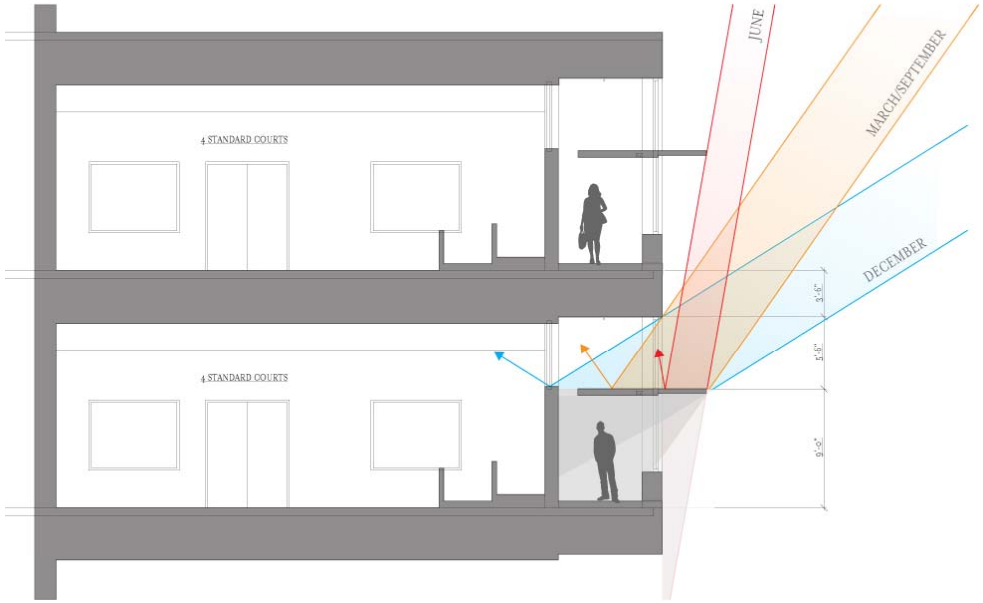
- analyze available **site energy possibilities**: integrate photovoltaic panels into parking lot covers; investigate wind and thermal options

- **plan passive strategies** such as optimizing the building envelope and passive solar strategies

(court of justice of the european union, luxembourg, dominique perrault – kyocera solar modules – 400 kw)

issues:

5. provide access to natural daylight & views of nature in waiting, jury assembly, courtrooms, lobby, etc.

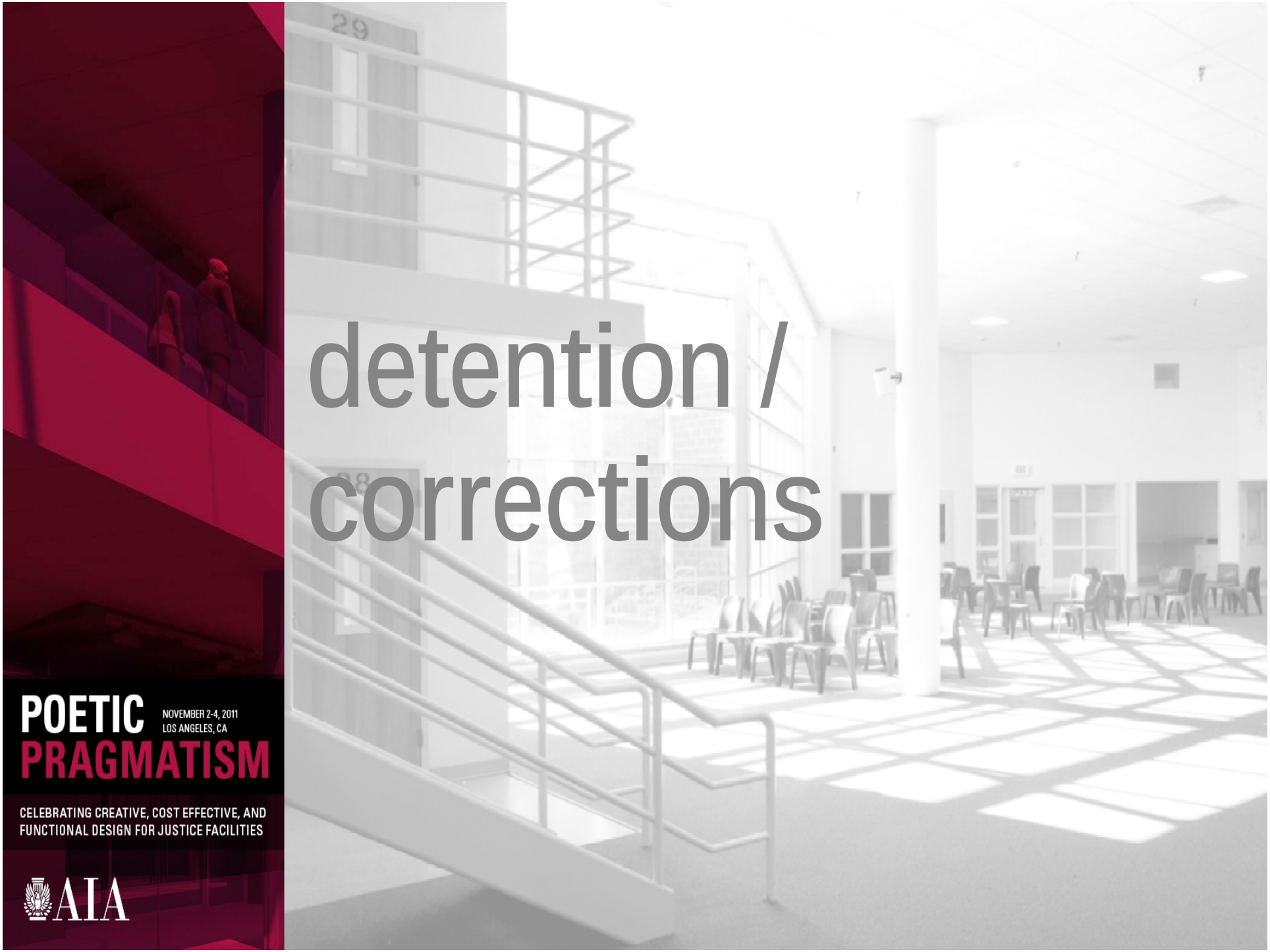


example:

- courtrooms organized to allow for daylighting opportunities above the jury

- light shelves bring borrowed light into courtrooms while shading the window openings below

(maricopa county superior court, phoenix, az gould evans / aecom)



detention / corrections

POETIC PRAGMATISM

NOVEMBER 2-4, 2011
LOS ANGELES, CA

CELEBRATING CREATIVE, COST EFFECTIVE, AND FUNCTIONAL DESIGN FOR JUSTICE FACILITIES

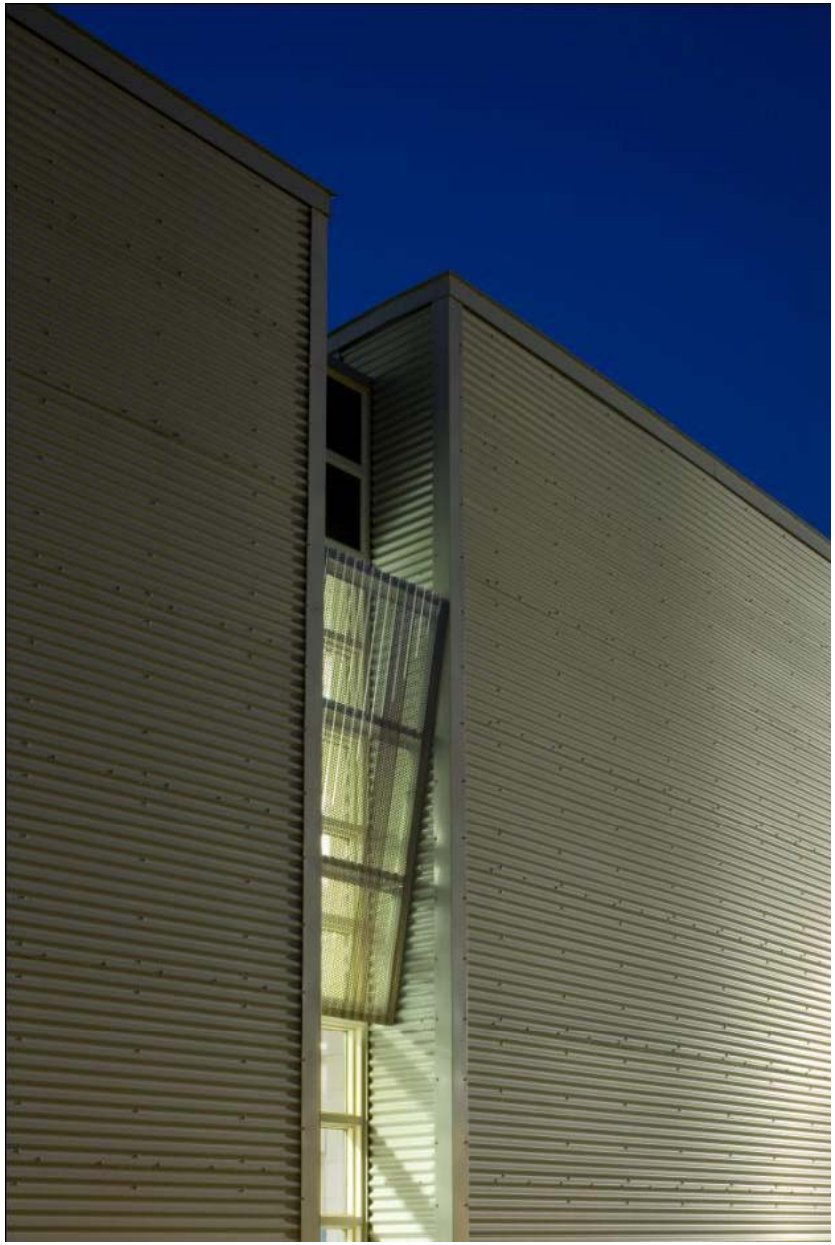
AIA

AAJ Sustainable Justice Committee - worksession on LEED-Justice requirements/overlay

	Broad Category	Specific Issue	Metric	References	Examples
1	**Needs Assessment**	A systems approach to sustainable design	1. "How small -- rather than how large -- should we build our new jail?" 2. Commit to sustainable initiatives. 3. Site Selection		
2	**Program Development**	Develop Sustainability Goals	Identify programs to support sustainable initiatives, Identify operational and space needs for sustainable programs, Goals for physical plant, Site Evaluation		
3	**Project Definition & Implementation Plan**	LEED Certification	Register project with USGBC for LEED Certification Initial LEED workshop and checklist review		
4	**Design**	Sustainable Design	Implement sustainable initiatives during design process		
5	**Post Occupancy**	Successful Community Transition	Successful Re-Entry Continuity of principles		

1. A systems approach to sustainable design

A systems approach to sustainable design goes beyond LEED. Sustainability is fostered by changes to the justice system as well as building design



1a.

Fewer admissions

Shorter lengths of stay

Fewer beds

BASELINE BEDSPACE REQUIREMENT
90 BEDS

↓

JUVENILE JUSTICE SYSTEM IMPROVEMENTS
SAVES 15 BEDS

↓

NEW JUVENILE DETENTION CENTER
75 BEDS (17% reduction)

1 b. Good neighbor

- Site integration into community
- Provide Community space
- Detention centers that communities want
- Not NIMBY but YIMBY
- Building perimeter as secure perimeter-no fence

2a. Identify programs to support sustainable initiatives

- Implement standardized intake process
- Control inappropriate admissions
- Expand alternatives to secure detention
- Timely transfers

2b. Establish goals for physical plant

- Daylight reduces energy consumption
- Daylight reduces stress
- Daylight lifts spirits
- Positive staff attitude
- Environment conducive to behavioral change

Sunlight on the floor

2c. Site Evaluation

- Jail next to courthouse allows easy movement of prisoners
- Reduces number of vehicle trips
- Closer to public transportation
- Allows for re-use of old jail

3. Project Definition & Implementation Plan

- Register project with USGBC for LEED Certification
- Initial LEED workshop and checklist review
- Budget allocation for sustainable measures

4. Implement sustainable initiatives during design process

- Select building systems and materials
- Daylight and views into the dayroom
- Vibrant colors
- Excellent sightlines
- Climate control
- Acoustic dampening
- LEED Checklist and follow-up workshop
- Lifecycle cost analysis and Energy Models

4. Normative environment

- Normative interior finishes: carpet, wood, color
- Sunlight
- Acoustics

4. Direct supervision

- Fewer jail incident reports (assaults, thefts, etc)
- Clear sight-lines
- Reduce staff absenteeism
- Improve staff retention
- Increase service agency and family visitation

POETIC PRAGMATISM

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4. Reduce resource consumption

- Construction aligns with security level
- Fewer toilets/doors/locks
- Sightlines vs cameras
- Building enclosure is secure perimeter

5. Successful re-entry

- Education
- Green jobs
- Treatment
- Reduce recidivism

5. Continuity of principles

- All criminal justice stakeholders committed to change
- “Right-sizing” the jail a universal priority
- System changes continued in new jail operations

5. Continuity of principles

- A new attitude across US towards high cost of prison operations
  - Washington DOC and Evergreen State College -- “Sustainable Prisons Project”
    - Green collar education and training
    - Sustainable prison operations
    - Scientific research and conservation
  - Ohio Green Prison Project

Ohio Green
Prison Project

discussion

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what can architects do?

- share Green Guide to Justice with clients
- encourage evidence-based Best Practices
- communicate a Vision
- get active in AAJ
  - starting this Saturday!
- share your Knowledge