

A photograph of a man and a woman in a meeting. The man, on the left, is wearing a grey checkered shirt and a lanyard with a badge that says 'Kyle'. He is leaning over a table. The woman, on the right, is wearing a black turtleneck and has her glasses on her head. She is smiling and looking towards the man. In the background, other people are seated at tables. A graphic of six yellow arrows pointing outwards from a central point is in the top right corner.

AIA

Leadership Summit

February 24–26, 2025
Washington, DC

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Green is the New Gold: AIA Rewards Sustainable Design Excellence



**AIA
Leadership Summit**



Learning Objectives:

At the end of this program attendees will be able to:

- Better understand the **AIA Framework for Design Excellence** and how its Ten Measures for high performance design align with and supplement sustainability goals
- Review how implementation of the **Framework** was undertaken in Philadelphia as a cooperative effort between the Design Awards committee and the Committee on the Environment over the course of the last five years
- Be able to summarize how this process was informed by and helped to inform other chapters as part of the National COTE Chapter network
- Discuss how the process of developing this program can support energizing volunteers from both **COTE** and **Design Awards** committees to engage your community.

Agenda



- **Brian Smiley**
- Understand the AIA Framework for Design Excellence
- Development, Resources, Uses across the industry



- **Jonathan Weiss**
- How did we get here?
- Philadelphia application of the Framework
- Overall strategy



- **Sherman Aronson**
- Lessons Learned and Next Steps
- Exhibit, Engagement, and Development





Brian Smiley

- Understand the AIA Framework for Design Excellence
- Development, Resources, Uses across the industry



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Committee
on the
Environment

COTE



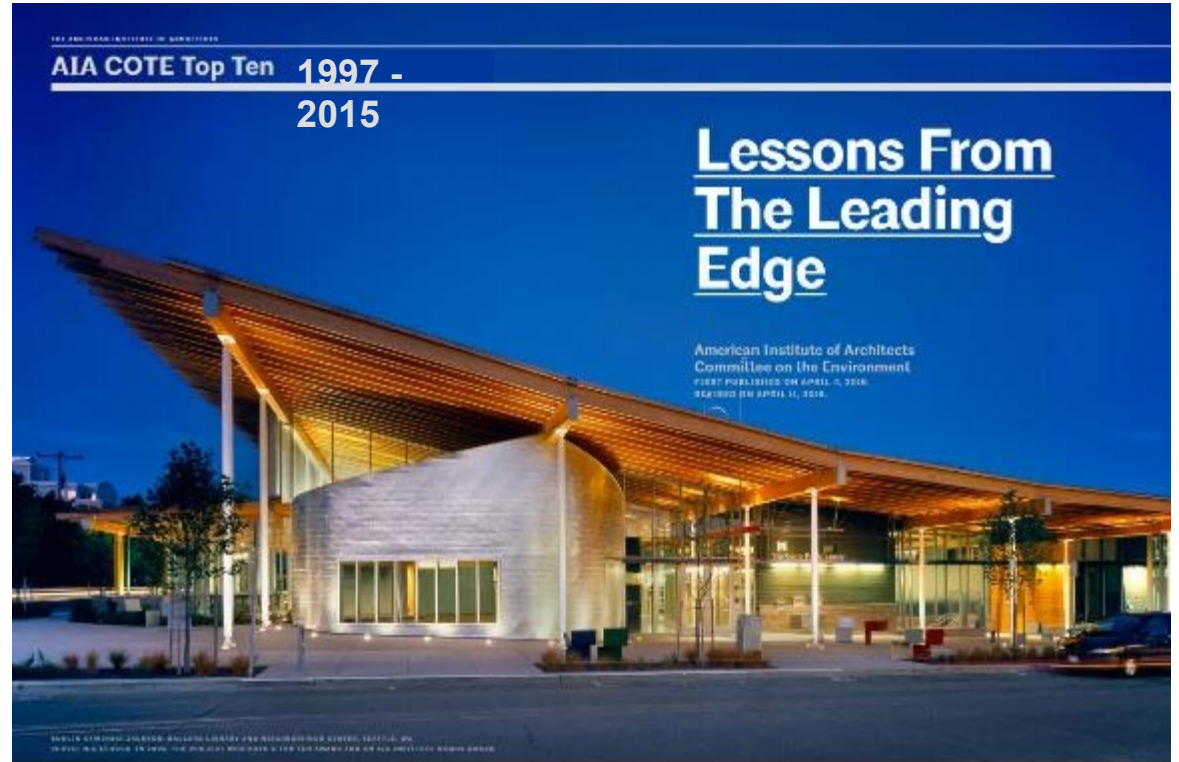
“The AIA Committee on the Environment (COTE) works to advance, disseminate, and advocate—to the profession, the building industry, and the public—design practices that integrate built and natural systems and enhance both the design quality and environmental performance of the built environment.” – COTE Mission



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COTE Top Ten Awards



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From an
Awards Program
To a
Design Philosophy
And the
AIA Code of Ethics



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Design for Integration



Design for Equitable



Communities Design for Ecosystems



Design for Water



Design for Economy



Design for Energy



Design for Well-Being



Design for Resources



Design for Change



Design for Discovery



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Framework for Design Excellence

Inspiring sustainable, resilient, and inclusive design

Additional sustainability resources

Design is not just about aesthetic concerns, but how buildings perform for people. The Framework for Design Excellence is made up of 10 measures, formerly known as the COTE Top Ten. It's a guide for thinking, facilitating conversations with building teams and the communities we serve, and sets meaningful goals and targets for climate action.

The framework provides an in-depth exploration of each measure, including best practices, high-impact programs, resources, and case studies that promote climate action.

Design for Integration
What is the big idea behind this project—and how do the approach toward sustainability inform the design concept?

Design for Community
How does this project contribute to creating a valuable, human-scaled community made and outside the property line?

Design for Ecology
In what ways does the design respond to the ecology of this place?

Design for Water
Sustainable design conserves and improves the quality of water as a precious resource.

Design for Economy
Providing abundance while living within our means is a fundamental challenge of sustainability.

Design for Energy
Sustainable design conserves energy while improving building performance, function, comfort, and enjoyment.

Design for Wellbeing
Sustainable design supports comfort, health, and well-being for the people who inhabit or visit buildings.

Design for Resources
Sustainable design includes the informed selection of materials and products to reduce product's environmental impacts while

Design for Change
Flexibility, adaptability, and resilience are essential to sustainable design, which seeks to resilient and enhances quality, functionality.

Design for Discovery
How has the building performed in ways that matched expectations during design?

Framework

10 Measures



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Focus topics

- www.ustr.gov/alternative-transportation
- [community engagement and buy-in](#)

~~For feasibility, it is essential to get the support of construction. To this end, specify how community members, tenants and outside the building, benefit from the project. Highlight the project's impact on the existing community, how it would complement community needs and outside the property line. How many community members engaged during the design and development process? How does the project promote social equality at local, regional and global scale? Highlight transportation-related issues negatively affecting public health. Because the CO₂ emissions associated with a new building's occupancy travel to and from the building are frequently comparable to the CO₂ emissions associated with operating the building, describe how the project, by testing and operating it, helps reduce transportation-related emissions.~~

The Framework
for Design
Excellence

Return to the Framework:

Related Resources

Download the OOTE® Super Roadshow >

Best Practices

Best Practices

With decisions that promote alternative transportation, cities can help toward creating a culture of urban planning aimed for a car-free rather than people. The next article focuses on strategies that give away the freedom to choose among multiple ways to safely and comfortably commute to the building. Strategies that decrease the number of vehicles the cost of parking spaces will better reflect the true cost of driving and encourage people to look for other modes of transportation. Strategies include urban density and promote mixed-use development and further transit modal.

The three broad general categories are above, below, and in line with the design line. Above the design line, the source of the design line is above the line, and the source of the design line is above the line. Below the design line, the source of the design line is below the line, and the source of the design line is below the line. In line with the design line, the source of the design line is in line with the line, and the source of the design line is in line with the line.

~~Walkability/human scale/alternative transportation~~

- When possible, choose a front-loading design for the control, a control to allow for a number of uses, and one that contains a range of transportation options, such as bicycle, stroller, and wheelchair.
- Every effort should be made to minimize the number of open parking spaces. As a baseline, the number of parking spaces should be provided that is calculated by dividing the total capacity of the park by two, and then further increasing the number.
- Minimize the number of parking areas by design, grading, covering, or planting them to the backdrop of the project. Use landscaping and planting to encourage drivers to face parking that is needed to visually define the project.

[illegible][illegible]

- [illegible]

1. **What is community engagement?** It is how you, your community, or the community as a whole, identify, build, and sustain a community of people. Community building is the a strategic process to build a community that is strong.
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"If you can only do one thing"

- # If you can only do one thing

The **ADA Recommendations for Designing Restroom Rooms** best practice guide contains all you need to know about designing a restroom space. Restroomette lists include required and recommended design and additional restroom space for women, 200%, full-time employees (FTEs).

All ~~flourish for~~ *flourish* is a noun and *flourish* has verb forms, *flourish* and *flourished*. *Flourish* means to show the importance of architecture to a diverse public audience.

Curated

Curated

no-leash carriage. The resource has a wealth of information on dogging and advocating for cycling, and information on how to create a dog-friendly community.

Resources

Case Studies of Exemplary Projects

Quarles Inat Park, Kim + Corbett, Architects, New York, New York

Teresa A. Vicens, David E. Fisher, Andrew J. O'Connell, California

Exemplary

Exemplary



Jonathan Weiss

- How did we get here?
- Philadelphia Chapter application of the F4DE
- Overall strategy



AIA AUSTIN - DESIGN AWARDS

SUSTAINABILITY SCORECARD

Project Name: _____
 Project Address: _____
 Primary building use: _____
 Project Type: _____
 Total Construction Cost: \$ _____
 Is the project certified with a third-party rating system? ☐ V/N

Design for Integration:
 Performance Statement: _____ (100 words)
 Describe how building performance strategies are integrated with the project's overall design goals: _____

Design for Equitable Communities
 Is the project located in a walkable community? ☐ YES ☐ NO ☐ N/A
 How well is your project serviced by public transit? ☐ C ☐ S ☐ I
 Is the project located in an area good for biking mobility? ☐ C ☐ S ☐ I
 Was the community engaged during the project? ☐ C ☐ S ☐ I
 Was community feedback incorporated? ☐ C ☐ S ☐ I

Design for Ecology
 Site Environment: ☐ URBAN ☐ SUBURBAN ☐ RURAL
 Previously developed site? ☐ C ☐ S ☐ I
 Is stormwater managed on site? ☐ C ☐ S ☐ I
 Is landscape design focused on native plants? ☐ C ☐ S ☐ I
 Is landscape design promoting biodiversity? ☐ C ☐ S ☐ I

Design for Water
 Is potable water used for irrigation? ☐ C ☐ S ☐ I
 Is potable water used for cooling? ☐ C ☐ S ☐ I
 Is grey/blackwater reused on site? ☐ C ☐ S ☐ I
 Is rainwater collected on site? ☐ C ☐ S ☐ I

Design for Economy
 Building efficiency / right sizing: ☐ C ☐ S ☐ I

Designing for Energy
 Did your project meet the minimum requirements per the energy code, or exceed? ☐ C ☐ S ☐ I
 Does your project meet the 2020 challenge? ☐ C ☐ S ☐ I
 Percentage of project's total energy use met by renewables: _____
 Briefly explain the role and type of renewables: _____

Design for Wellness
 Was a Post Occupancy Evaluation or Occupant Satisfaction Survey conducted? ☐ C ☐ S ☐ I
 Do regularly occupied spaces have operable windows? ☐ C ☐ S ☐ I
 Do regularly occupied spaces have abundant daylight? ☐ C ☐ S ☐ I

Design for Resources
 Was a Whole Building Life Cycle Analysis (LCA) conducted? ☐ C ☐ S ☐ I
 Was there a substantial amount of local and/or recycled materials incorporated? ☐ C ☐ S ☐ I
 Was a list of "alternatives of concern" used during material and product selection? ☐ C ☐ S ☐ I
 What is the project's primary structural system? _____

Design for Change / Disasters
 Is the building designed for disassembly or flexible future use? ☐ C ☐ S ☐ I
 Is there a resiliency strategy as part of the design? ☐ C ☐ S ☐ I
 What is the lifespan of the building? (i.e., wood frame - 20 yrs / concrete - 100 yrs)
 Describe the most likely threats to the building (flooding, earthquakes, etc.) and what the project's resilience strategy is: _____

25 POINTS

COMMON APP FOR DESIGN EXCELLENCE
 PROJECT INFORMATION
 Project Name: _____
 Project Address: _____
 Project Type: _____
 Total Construction Cost: \$ _____
 Is the project certified with a third-party rating system? ☐ V/N

Design for Integration:
 Performance Statement: _____ (100 words)
 Describe how building performance strategies are integrated with the project's overall design goals: _____

Design for Equitable Communities
 Is the project located in a walkable community? ☐ YES ☐ NO ☐ N/A
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 What is the lifespan of the building? (i.e., wood frame - 20 yrs / concrete - 100 yrs)
 Describe the most likely threats to the building (flooding, earthquakes, etc.) and what the project's resilience strategy is: _____

HOW TO COMPLETE THIS FORM:

Indicate that this form is a self-completing form by checking the box in the top right corner of the form. If you are not a self-completing form, you must complete the form.

The chart to the right shows the percentage of the form that is being completed in your project. It is intended to be used as a comparison tool, so you can see how many measures of performance you have completed. If you have completed a measure, check the box in the chart. If you have not completed a measure, leave the box empty.

Use the Comments page to select a limit intended to be an aggressive one but not an actual depiction of the building's performance.

How does the BDC/CRF measure (not graded here) due to availability?



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GENERAL PROJECT INFORMATION		INPUTS/ RESPONSES	UNITS/ DEFINITIONS
Project Information			
Project Name	Send/Project Name		
Client/Owner Identification (unless confidential)			
Location and Site			
Address	1234 Any Street		
City	City		
State	State		
Zip Code	12345		
Country	USA		
Select the appropriate Climate Zone for the building.	Climate Zone (per ASHRAE 2016 Climate Zone Map)		
Select the appropriate building use and percent of the total building area.	Primary Building Use (See Building Type Definitions)		
If there are significant additional building uses, more than 10% of the total building area, then you can select those additional building uses.	Additional Building Use (per ASHRAE 2016 or IECC 2009)		
Other:	Additional Building Use (per ASHRAE 2016 or IECC 2009)		
Select the project use category for the building.	Project Type		
Green building or other sustainability goals used for validation for certain measures below.	Number of Stories Above Grade		
Other:	Floor Area Total in GFA		
Other:	Greenhouse Gas		
Enter occupant count that would be used for the building's information if it can be estimated.	Daily Energy Occupancy (Number of Occupants)		
Enter occupant count that would be used for building's information if other energy compliance can be estimated.	Peak Occupancy (Number of Occupants)		
Yes or No, per measure.	2009 Committee and Rating Systems		
Yes or No, per measure. Consider ASHRAE 90.1, ASHRAE 189.1, etc.	Is your firm a signatory of the ASHRAE 2030 Commitment?		
Yes or No, per measure. Consider ASHRAE 90.1, ASHRAE 189.1, etc.	If yes, the project must include the 2030 Design Challenge (DC)?		
Yes or No, per measure. Consider ASHRAE 90.1, ASHRAE 189.1, etc.	Is the project a LEED v4 or v4.1 project?		
MEASURE 1 - DESIGN FOR INTEGRATION			
Yes or No, per measure. Consider ASHRAE 90.1, ASHRAE 189.1, etc.	1.1 Was a Design Challenge Workshop conducted with Owner, Team? (Options include energy efficiency and water savings, LEED, etc.)		
Yes or No, per measure. Consider ASHRAE 90.1, ASHRAE 189.1, etc.	1.2 Select 1 to 3 of the 10 Measures. Describe how building performance strategies were integrated into the overall design goals. It is recommended to describe water reduction and environmental strategies throughout design and material selection. (300 words or less)		
Yes or No, per measure. Consider ASHRAE 90.1, ASHRAE 189.1, etc.	1.21 MEASURE 1.2.1 (non-graded)		
Yes or No, per measure. Consider ASHRAE 90.1, ASHRAE 189.1, etc.	1.22 MEASURE 1.2.2 (non-graded)		
Yes or No, per measure. Consider ASHRAE 90.1, ASHRAE 189.1, etc.	1.23 MEASURE 1.2.3 (non-graded)		
MEASURE 2 - DESIGN FOR EQUITABLE COMMUNITIES			
Use the following scorecard to rate the building's color and energy use and environmental performance for each of these measures.	21 Walls Score per Wall Scorecard		
Other:	22 Tenant Score per Wall Scorecard		
Other:	23 Other Score per Wall Scorecard		
Other:	24 Was the community and public involved in common use technology?		
MEASURE 3 - DESIGN FOR ECOLOGY			
Select from the measures that do not have an assessment.	31 Sustainable Plant, Material, Water?		
Select one option from the measures that have an assessment.	32 Productivity and Productivity?		
Yes or No, per measure. Design of a sustainable management plan for the building.	33 Landscape Management (see ASHRAE 2016 or IECC 2009)		
Yes or No, per measure. Design of a sustainable management plan for the building.	34 Landscape Management (see ASHRAE 2016 or IECC 2009)		
Yes or No, per measure. Design of a sustainable management plan for the building.	35 Landscape Management (see ASHRAE 2016 or IECC 2009)		

MEASURE 5 - DESIGN FOR ECONOMY			
51	What is the building efficiency (EUI) / energy use?	1	Is it better or not?
52	Did the project team meeting building efficiency for interior environmental components for measures only project?	--select--	
53	Did the project team meeting building efficiency for interior environmental components for measures only project? If so, please explain in remarks below.	--select--	
54	Material and efficiency of cost / space / materials		30 words max.
MEASURE 6 - DESIGN FOR ENERGY			
Predicted Performance (Model Performance)			
61	Energy Use Intensity (EUI) (kBtu/sq ft/yr)	0	Is it better or not?
62	Did project use prescriptive criteria for energy code compliance?	--select--	Is it better or not?
63	Did the design of the envelope, systems or lighting meet minimum requirements for energy efficiency?	--select--	Is it better or not?
64	Model Performance (Model Performance)		Is it better or not?
65	Predicted Energy Intensity	0%	Is it better or not?
66	Is predicted percent reduction from benchmark EUI > 10%?	0%	Is it better or not?
67	Does the project meet the ASHRAE 2030 Challenge?	0%	Is it better or not?
68	Was the energy model used to inform decisions during design?	--select--	Is it better or not?
69	Is the ASHRAE 2030 Challenge met?	--select--	Is it better or not?
70	Is the ASHRAE 2030 Challenge met?	--select--	Is it better or not?
71	Is the ASHRAE 2030 Challenge met?	--select--	Is it better or not?
72	Is the ASHRAE 2030 Challenge met?	--select--	Is it better or not?
73	Is the ASHRAE 2030 Challenge met?	--select--	Is it better or not?
74	Is the ASHRAE 2030 Challenge met?	--select--	Is it better or not?
MEASURE 7 - DESIGN FOR WELLNESS			
71	Do regularly occupied spaces have operable windows?	--select--	Is it better or not?
72	Do 75% of regularly occupied spaces have access to daylight?	--select--	Is it better or not?
73	Do 75% of regularly occupied spaces have views to the outdoors?	--select--	Is it better or not?
74	Was an Occupant Satisfaction Survey conducted?	--select--	Is it better or not?
MEASURE 8 - DESIGN FOR RESOURCES			
81	Primary Structural System	--select--	Is it better or not?
82	Building Envelope (see ASHRAE 2016 or IECC 2009)	--select--	Is it better or not?
83	Building Envelope (see ASHRAE 2016 or IECC 2009)	0	Is it better or not?
84	Building Envelope (see ASHRAE 2016 or IECC 2009)	67	Is it better or not?
85	Is the building envelope (see ASHRAE 2016 or IECC 2009) better than the benchmark?	100%	Is it better or not?
86	Was the building envelope (see ASHRAE 2016 or IECC 2009) better than the benchmark?	--select--	Is it better or not?
87	Was local and recycled material used in construction or products?	--select--	Is it better or not?
88	Was a "thermal of concern" (see ASHRAE 2016 or IECC 2009) used in material selection?	--select--	Is it better or not?
89	Did the project incorporate water saving measures?	--select--	Is it better or not?
90	Was an historic building preserved or adapted for reuse?	--select--	Is it better or not?
MEASURE 9 - DESIGN FOR CHANGE			
91	What is the design life of the building?	--select--	Is it better or not?
92	Was the project designed for future adaptability?	--select--	Is it better or not?
93	Was the project designed to allow for future adaptability?	--select--	Is it better or not?
94	Was the project designed to allow for future adaptability?	--select--	Is it better or not?
MEASURE 10 - DESIGN FOR DISCOVERY			
101	Was a Post-Occupancy Evaluation conducted or lessons learned?	--select--	Is it better or not?
102	Was a Design Study prepared to analyze the project with Owner?	--select--	Is it better or not?
103	Is actual energy / water / materials collected?	--select--	Is it better or not?
104	Will the project be a comprehensive model for the building?	--select--	Is it better or not?



NOTES

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MEASURES - DESIGN FOR ECONOMY					
Energy	51	What is the building efficiency (EPC / average occupants)	-	1	0 is better on list
	52	Did the project meet an existing building performance for interior environmental components for environmental conditions	-	-	-
	53	Is the efficiency better than industry standard (other projects)? If so, please mention the condition	-	-	-
Building costs	54	Has the building achieved efficiency of cost / space / materials	-	-	30 marks max.
MEASURE 6 - DESIGN FOR ENERGY					
Energy	Predicted Performance (B1 to Model Performance)				
	61	Energy Use project followed (BEE/BASIX/energy star)	0	-	0 is better, 1 is better to Maximize Performance
	62	Did project use prescriptive criteria energy code compliance?	-	-	Prescriptive, CO2E test or neither are a 5 but may be identified savings.
Energy	63	Did the design of the project, including all relevant energy components, for energy efficiency?	-	-	-
	Model Performance (B1 to Model Performance)				
	64	Baseline B1 Energy Use (kWh/m ² /yr)	1000000	-	1000000 is best
Energy	65	Predicted Energy Use (kWh/m ² /yr)	1000000	-	1000000 is best
	66	Is predicted performance better than baseline B1 > 10%	0%	-	0% is best on list
	67	On-site renewable energy use (2000 kWh/m ² /yr)	1000000	-	1000000 is best
Energy	68	Was the energy model used to inform decisions during design?	-	-	Model generated during design is good practice.
	Measured Performance (B1 to True Occupancy)				
	69	Actual B1 EUI Based on last 12 months of energy bills	1000000	-	1000000 is best
Energy	70	Is measured performance better than baseline B1?	-	-	1000000 is best
	71	Percentage of project's total energy use met by on-site renewables	100%	-	100% is best on list
	72	Are Renewable Energy Credits (RECs) planned or used for 100% predicted energy use?	-	-	-
MEASURE 7 - DESIGN FOR WELLNESS					
Energy	73	Do regularly occupied spaces have natural ventilation?	-	-	-
	74	Do 75% of regularly occupied spaces have access to daylight?	-	-	-
	75	Do 75% of regularly occupied spaces have access to fresh air?	-	-	-
	76	Was an Occupant Satisfaction Survey for regularly occupied spaces?	-	-	-
	77	Was an Occupant Satisfaction Survey for regularly occupied spaces?	-	-	If results, it is a process and method?
MEASURE 8 - DESIGN FOR RESOURCES					
Energy	81	Primary Resource System	-	-	Select best for project
	82	Building Enveloped Carbon Intensity (kg/m ² /yr)	1000000	-	1000000 is best
	83	Building Enveloped Carbon per SF (kg CO ₂ /SF)	0	-	0 is best on list
	84	Building Enveloped Carbon per SF	67	-	67 is best on list
	85	Is the building's Enveloped Carbon Intensity better than baseline?	100%	-	100% is best on list
Energy	86	Was a Whole Building Life Cycle Analysis (LCA) conducted?	-	-	-
	87	Was local and/or recycled material used according to code for products?	-	-	-
	88	Was "Chemical of concern" list used to inform material selection?	-	-	-
Energy	89	Was the project incorporate siting strategy?	-	-	-
	90	Was an historic building preservation survey completed or review?	-	-	-
	91	Was the project incorporate siting strategy?	-	-	-
MEASURE 9 - DESIGN FOR CHANGE					
Energy	91	What is the design life span of the building	-	-	enter number in years.
	92	Was the project designed for future adaptability?	-	-	-
	93	Was the project designed for future adaptability?	-	-	-
	94	Was the project planned for long-term resilience and use adaptation to future hazards?	-	-	-
Energy	95	Was the project planned for long-term resilience and use adaptation to future hazards?	-	-	-
	96	Was the project planned for long-term resilience and use adaptation to future hazards?	-	-	-
	97	Was the project planned for long-term resilience and use adaptation to future hazards?	-	-	-
	98	Was the project planned for long-term resilience and use adaptation to future hazards?	-	-	-
MEASURE 10 - DESIGN FOR DISCOVERY					
Energy	101	Was a Post Occupancy Evaluation conducted for lessons learned?	-	-	is a process or a method for suitable project
	102	Was a Post Occupancy Evaluation conducted for lessons learned?	-	-	-
	103	Was a Post Occupancy Evaluation conducted for lessons learned?	-	-	-
	104	Was a Post Occupancy Evaluation conducted for lessons learned?	-	-	-

HOW TO COMPLETE THIS FORM:

This bar chart to the right is self-completing tied to the entries in each of the measures below. As you enter information and complete the form.

This chart is graphing what percentage of the measures identified are being addressed in your project - it is intended to be used as a comparative tool, so you can see which measures this framework demonstrates highlights and strengths, at the same time identifying opportunities for growth and improvement in other measures.

Like the Common App precedent, it is not intended to be an aggregated score but rather a visual depiction of the holistic set of framework measures.

Note that the AIA/USGBC form was not completed here due to its availability.

How-To

Use the same project information that is part of the Design Awards submission, for name, location, etc.

Select the appropriate ClimateZone from the pull down menu. If uncertain you can use the reference link to current map.

Select the associated major building use and percentage of the total area for the



AIA Philadelphia Design Awards:
Framework for Design Excellence

rev 9/12/2020

GENERAL PROJECT INFORMATION

Project Information

Project Name
Client Organization (unless confidential)

Location and Size

Address
City
State
Zip Code
County

ClimateZone (per ASHRAE 2016 ClimateZoneMap)

Building Use (per ASHRAE 2016 ClimateZoneMap)



Response Graph

INPUTS/ RESPONSES

Sample Project Name

1234 Any Street

City

State

12345

USA

--select one

Building Use (per ASHRAE 2016 ClimateZoneMap)

Building Use (per ASHRAE 2016 ClimateZoneMap)

UNITS/ DEFINITIONS

Explanation / definitions

Climate Zone Map

Coordinate

Frame the Plan

Develop the Tool

Educate / Communicate

Publicize / Celebrate

Feedback

01

With Design Committee

- Current Practice
- How to use F4DE
- Chapter Priorities
- Change Management

02

Key Questions

- Required for All?
- Separate Award?
- Jury Makeup
- Asking enough?
Too much?

03

How to collect info

- Questionnaire
- Common App
- Customized App?

04

Inform / Educate

- Introduce Requirements
- Educational Sessions
- “Open Hours” assistance for design teams
- Intro for Jury

05

Share the news

- Publicize the winners
- Social Media
- Awards Program

06

Post Award

- Submitters' feedback
- Jurors' feedback
- Design Committee feedback
- Prep for next year.



FIFTH FACADE: FRANKLIN COUNTY EXTENSION ERDY MCHENRY ARCHITECTURE



THIS PROJECT WON AN
AIA PHILADELPHIA SUSTAINABILITY AWARD IN 2021
WILL YOURS BE NEXT?



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We are highlighting another project this week which won the Sustainability awards!
AIA Philadelphia Sustainability Award 2021

Architecture Firm: Erdy McHenry Architecture

Project Name: Waterman Laboratory (County Extension), Ohio State University

Project Type: Higher Education, Lab

Project Location: Columbus, Ohio

Floor Area: 10,500 GSF

Green Design Certification: LEED v3 Gold



July 1, 2022

AIA
Leadership Summit

AIA



Sherman Aronson

- Lessons Learned and Next Steps
- Exhibit, Engagement, and Development



In preparation for this exhibit the team evaluated all the award-winning projects over the last five years, and used the program to help identify which projects most exemplify the 10 Measures. We see this exercise as invaluable to understand where our program needs to grow next.

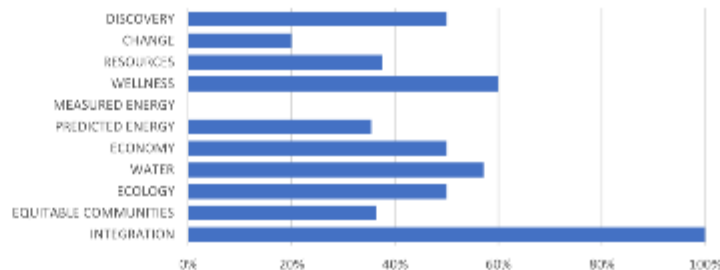


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AIA Philadelphia Design Awards:
Framework for Design Excellence
Built and Unbuilt Projects

rev:0-21-2021



INFORMATION

INPUTS / RESPONSES

UNITS / DEFINITIONS

GENERAL PROJECT INFORMATION

[AIA Toolkit for detailed strategies, Frameworks](#)

Project Information

Sustainable Design Data Analysis from the F4DE Form

For each Measure there several line items to identify goals for the project. As the Firm fills in the responses on each line, the Chart extends the Blue Bar. Within the Form in Excel there is a number for each Measure line item. Using those numbers, we entered that data into a master spreadsheet to analyze.

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Sustainable Design Data Analysis from F4DE Form

Compiled a list of all 75 award-winning projects. Considered projects that had high scores for the Measures. Compared large and small firms, public and private work, size, and green design certifications.

White cells are lower;
Green cells are higher.

Year	COTE Award Design Award	ID No.	Project Type	Project Size SF	Suggestion	Recommended measure	LEED	M1 Integration	M2 Equitable Communities	M3 Ecosystems	M4 Water	M5 Economy	M6 Energy	M7 Wellness	M8 Resources	M9 Change	M10 Discovery
2022	COTE	139	Community	849,000	M1, M2, M7, M8	M1 Integration	LEED Gold	100	45	100	40	50	50	80	85	20	60
2021	COTE	186	Education University + Office	10,000	M1, M7	M1 Integration	LEED Cert	100	35	55	55	50	35	60	30	20	50
2022	Design	128	Community + Religious	10,000	M1, M2, M7	M1 Integration?	No	100	35	100	40	50	35	100	45	0	0
2018	COTE	702	Education / College University	700	M1?	M1 Integration?	LEED Gold	100	65	75	15	0	0	80	10	20	0
2023	Design	112	Multi-Family + Office	47,000	M5, M8, M9	M2 Equitable?	Guarding Principles	100	80	50	50	100	50	70	50	100	55
2022	Design	191	Public Assembly + Office	25,000	M2, M3, M7, Historic	M2 Equitable	No	100	70	75	55	50	0	80	55	40	20
2021	Design	256	Residential - 2-4 + Public Asset	13,118	M2, M7, Unbuilt, Planning	M2 Equitable	No	100	65	75	15	0	0	80	10	20	0
2020	Design	428	Education / College University	80,570	M2, House	M2 Equitable?	LEED Gold	100	75	50	0	55	35	27	30	40	50
2022	Design	110	Residential	5,200	M2, M7	M2 Equitable?	No	100	65	85	30	50	75	100	45	0	15
2020	Design	432	Education / College University	220,000	M3, M7, M8, Interiors	M3 Ecosystems	LEED Gold	100	62	100	55	n/a	25	75	15	80	35
2020	COTE	465	Multi-Use Studio and Residences	1,800	M3, M7	M3 Ecosystems	Net Zero	100	25	75	50	n/a	75	15	15	60	32
2020	Design	288	Multi-Family Mixed Use	9,200	M3	M3 Ecosystems	No	100	85	75	50	n/a	0	25	0	20	0
2023	COTE	137	Education + Lab	100,000	M4, M8, M10	M4 Water	No	100	65	100	100	50	55	70	35	80	100
2022	Design	129	Education	10,000	M4, House	M4 Water	No	75	25	25	70	50	25	30	15	80	20
2021	COTE	134	Education University + Lab	45,508	M4, M7, M8, M9	M4 Water	No	100	65	100	85	50	48	80	70	100	70
2020	Design	487	Education - K-12	13,300	M5, M8, M10	M5 Economy	No	100	35	100	50	50	0	100	40	40	85
2022	Design	169	Education + Office	79,500	M5, M8, Interiors	M5 Economy	No	100	10	60	55	100	0	80	70	80	0
2023	Design	151	Multi-Family Residential	25,570	M5	M5 Economy	No	-	-	35	50	100	0	50	35	20	15
2023	Design	185	Public Assembly	17,250	M5, Unbuilt	M5 Economy	Net Zero	100	45	100	65	15	15	55	40	40	70
2020	COTE	495	Office +100,000 SF	350,000	M6, M8, M10	M6 Energy	LEED Platinum	100	62	100	35	n/a	70	75	18	20	100
2022	Design	146	Education	217,590	M6, M8, M9	M6 Energy	LEED Gold	100	35	100	30	100	50	60	55	40	50
2022	Design	105	Office + Lab + Education	265,200	M6, M8, Historic	M6? or M8?	No	100	50	100	45	65	70	40	30	40	0
2021	Design	162	Healthcare - Outpatient	250,000	M7, M1, M4, M7, M10	M7 Wellness?	LEED Gold	100	82	100	85	50	35	50	50	80	70
2021	Design	236	Hospitality	150,000	M7, M8, Historic, Interiors	M7 Wellness	LEED Cert	100	45	52	55	52	50	60	60	60	50
2021	Design	289	Residential - Multi-Family	49,000	M7, Unbuilt	M7 Wellness	No	100	15	60	0	0	30	100	15	20	0
2020	Design	547	Hospitality (core)	5,486	M7	M7 Wellness	No	100	35	50	32	n/a	0	100	0	40	0
2021	Design	238	Public Assembly - Recreation	27,115	M8, M7, M8, M9, M10	M8 Resources	LEED Silver	100	45	100	55	55	35	80	85	100	100
2020	Design	450	Education / College University	180,498	M7, M9, M8, M10, Historic	M8 Resources	No	100	60	60	30	n/a	0	75	70	100	82
2021	Design	212	Multi-Family Residential	21,100	M8, M9, Historic, Interiors	M8 Resources	No	100	25	52	30	100	40	60	60	40	32
2023	Design	107	Education	85,000	M8, M10	M8 Resources?	No	100	50	75	60	60	60	80	70	80	80
2023	Design	156	Office	6,300	M8, M9, Historic, Interiors	M9 Change	No	70	30	60	35	100	0	70	60	80	45
2023	Design	145	Multi-Family + Education + Office	500,000	M8, M9, Historic	M9 Change	No	75	45	25	15	100	10	60	60	80	0
2020	Design	448	Other - exhibit installation	190	M9, Exhibit	M9 Change	No	100	95	22	67	n/a	n/a	50	15	80	0
2020	Design	352	Education K-12	57,000	M9, M7, M8	M9 Change?	No	25	82	100	50	n/a	75	100	30	100	85
2020	Design	485	Mixed use office and retail	298,000	M9, Historic, Interiors	M9 Change?	No	70	52	25	30	65	72	50	58	100	18
2022	Design	101	Multi-Family Residential	83,410	M9, M10	M10 Discovery	No	100	60	75	30	100	15	80	80	80	85
2022	Design	121	Multi-Family + Financial	86,000	M2, M7, M10, Historic	M10 Discovery	No	100	80	25	15	50	25	100	70	40	85
2023	Design	181	Education + Lab	105,000	M4, M8, M10	M10 Discovery	LEED Silver	100	80	90	65	70	85	60	50	80	70
2023	Design	198	Residential	2,820	M10, Interiors	M10 Discovery?	No	100	25	25	30	65	70	60	40	0	70



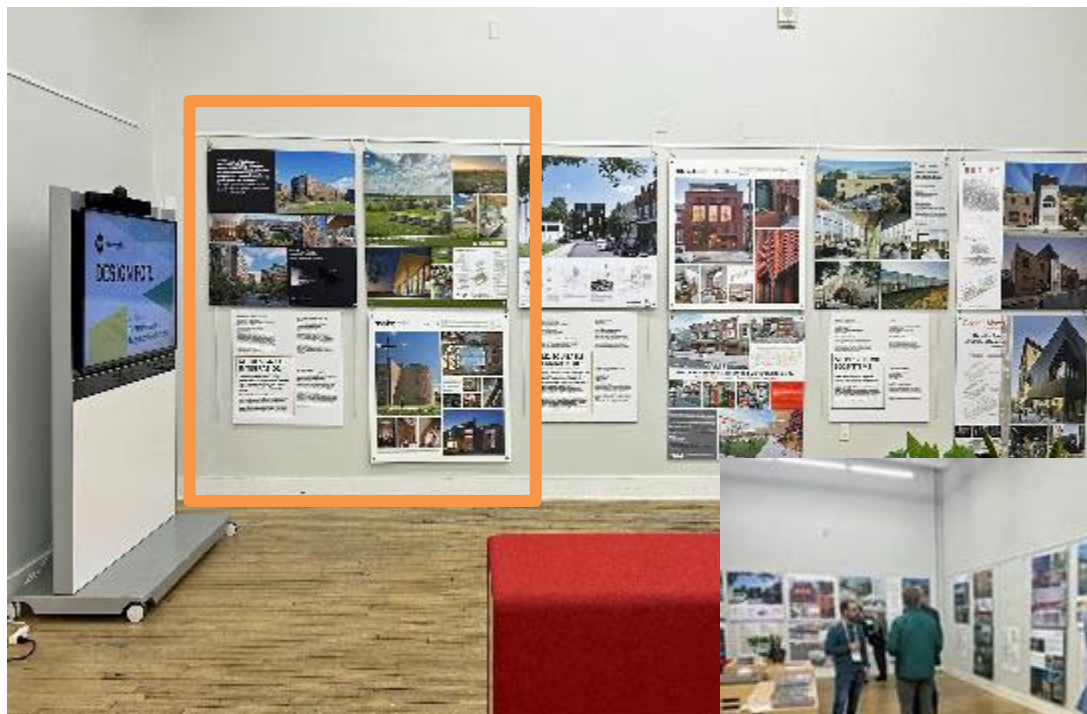
Planned and arranged the display with projects, images, locations, AIA design firm names, year and type of award

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Exhibit for Greenbuild and AIA PHL

For each Measure there are three projects with display panels provided by the local AIA firm. Accompanying white panel describes the Measure and highlights how each project responds.



Feedback Loop

Evaluate data for strengths and weaknesses:

- Why are many projects LOW on the M6 Energy?
- Why high on M1 Integration?
- M3 Ecosystems is HIGH, while M2 Equitable Communities is LOW?
- M7 is HIGH.
- M9 and M10 are mixed.
- Should the F4DE data be revised or updated?

Work with Design Committee, individual firms, the Network, other PHL COTE leaders.

Project Type	Project Size GSF	Recommended measure	LEED	M1 Integration	M2 Equitable Communities	M3 Ecosystems	M4 Water	M5 Economy	M6 Energy	M7 Wellness	M8 Resources	M9 Change	M10 Discovery
Dormitory	643,000	M1 Integration	LEED Gold	100	45	100	40	50	50	80	85	20	50
Education University + Office	10,500	M1 Integration	LEED Cert	100	35	55	58	52	35	60	37	20	50
Dormitory + Religious	18,000	M1 Integration	No	100	35	100	40	50	25	100	45	0	0
Education / College University	TBD	M1 Integration?	TBD										
Multifamily + Office	47,000	M2 Equitable	Guiding Principles	100	80	50	50	100	50	70	50	100	55
Public Assembly + Office	28,000	M2 Equitable	No	100	70	75	55	50	0	80	55	40	50
Residential - 2-4 + Public Asst	13,118	M2 Equitable		100	65	75	15	0	0	80	15	20	0
Education / College University	80,670	M2 Equitable?	LEED Gold	100	75	50	0	n/a	38	27	30	40	50
Residential	5,200	M2 Equitable?	No	100	65	25	30	50	15	100	45	0	15
Education / College University	220,000	M3 Ecosystems	LEED Gold	100	82	100	50	n/a	22	75	16	80	35
Multi-Use Studio and Residenti	1,800	M3 Ecosystems	Net Zero	100	25	75	50	n/a	15	75	15	60	32
Multi-Family Mixed Use	9,200	M3 Ecosystems	No	100	38	75	50	n/a	5	25	0	20	0
Education + Lab	160,000	M4 Water	No	100	65	100	100	50	55	70	35	80	100
Education	10,000	M4 Water	No	75	25	20	70	50	25	60	15	60	50
Education University + Lab	49,908	M4 Water	No	100	55	100	85	50	48	80	75	100	70
Education - K-12	13,800	M5 Economy	No	100	38	100	50	60	0	100	42	40	82
Education + Office	79,500	M5 Economy	No	100	10	50	55	100	0	60	70	60	0
Multifamily Residential	25,670	M5 Economy	No	-	-	25	50	100	5	30	35	20	15
Public Assembly	17,550	M6 Energy	Net Zero	100	45	100	65	15	15	55	40	40	70
Office >100,000 SF	350,000	M6 Energy	LEED Platinum	100	62	100	35	n/a	70	75	18	20	100
Education	217,500	M6 Energy	LEED Gold	100	35	100	30	100	50	60	55	40	50
Office + Lab + Education	265,200	M6? or M8?	No	100	55	100	45	65	70	40	90	40	0
Healthcare - Outpatient	250,000	M7 Wellness?	LEED Gold	100	82	100	85	50	38	80	50	60	70



Next Steps for Philadelphia

- More opportunities for smaller firms.
- More opportunities for smaller projects to advance Sustainability.

Bring back simple
Form Option?

- More opportunities for Diverse firms, consultants, builders.
- More updates to each Measure per Common App.
- More participation by all firms, wider use of the Framework.

Weighting
measures?



COTE Network of Local and State Groups

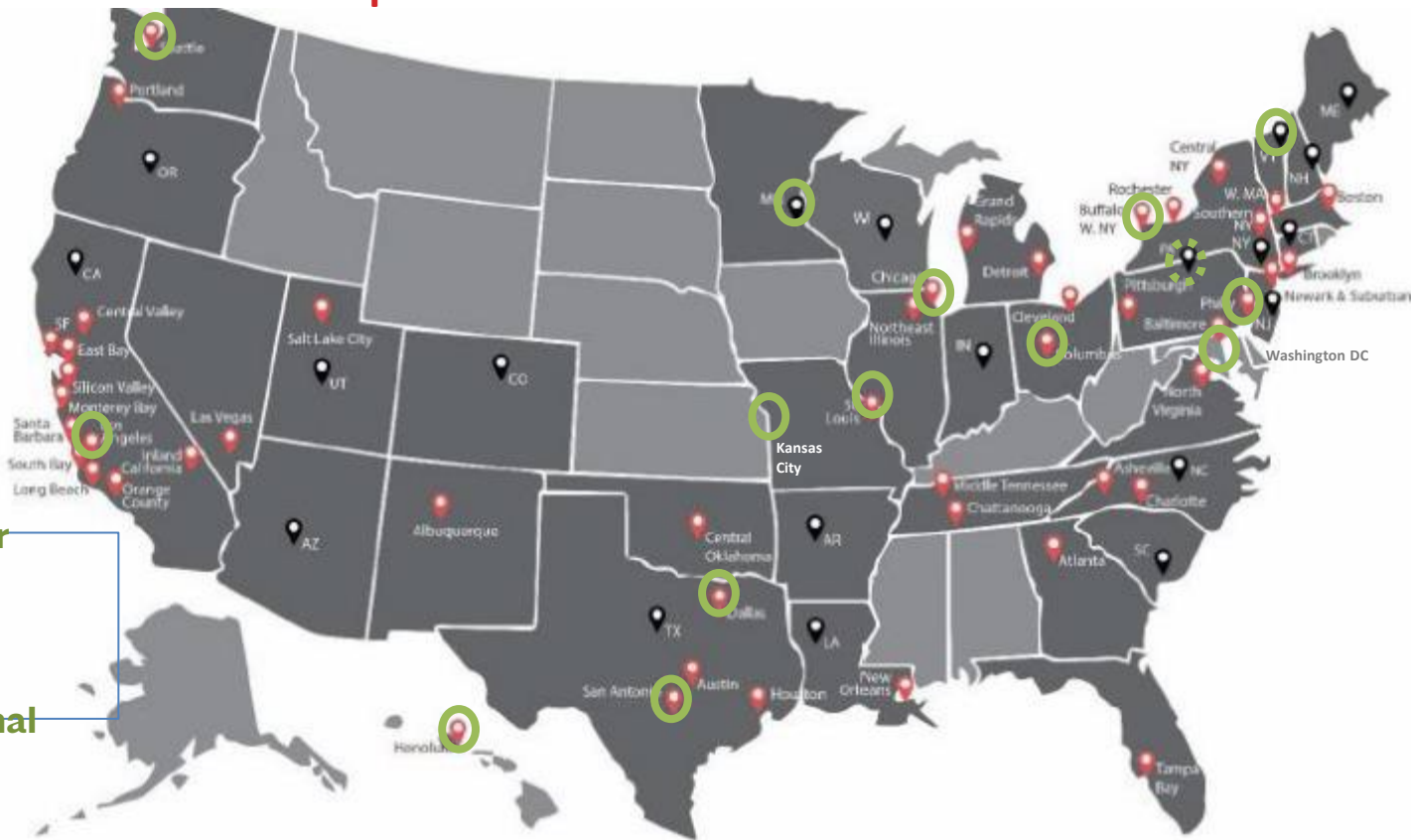
Red = City/ Region

Black = State

Not on the Map?

Green = Using F4DE for Awards

Dashed = F4DE Optional



Next Steps

- Fill out AIA National Survey on F4DE & Awards



AIA
Leadership Summit

COTE Network of Local and State Groups

That have reported using F4DE...but have NOT filled out the survey

Austin

Boston

California

Central Oklahoma

Colorado

East Bay

Houston

Long Beach South Bay

Middle Tennessee

New York

Orange County

Redwood Empire

San Francisco

Silicon Valley

Texas

Atlanta

Brooklyn

Central New York

Detroit

Grand Rapids

Maine

Minnesota

Nevada

New Hampshire

Oregon

South Carolina

Tampa Bay

Wisconsin



Next Steps

- Fill out AIA National Survey on F4DE & Awards



AIA
Leadership Summit

What can I do in my chapter?

- Connect Design and COTE committees. Chapter Leadership to facilitate if necessary.
- “Scaffold” : start with easy form, work up to full 10 measure form.
- Sustainability experts on Jury
- Mandatory vs optional
- This is as much about education on F4DE as it is about transforming design awards.
- Consistent form. Team to support/update?
- Streamline in the future: more chapters adopt...then Common App



We are on the threshold between explaining how useful the Framework is for Architecture firms, on the one hand, And how to make the Framework information work for the Design Awards jury, to integrate into the designs.

We look forward to full integration of sustainability into good design, and the Framework is the method, and the awards are the platforms to make this happen.

Duty to Beauty

A poorly performing building is not worthy of AIA accolades.

Creative Tension...

Questions?

QUESTIONS



- **Brian Smiley**
- Add titles



- **Jonathan Weiss**
- Add titles



- **Sherman Aronson**
- Add titles

Thank you



Brian Smiley, AIA, LEED AP, AIA Philadelphia Board / AIA PA COTE Chair
Jonathan Weiss, AIA, LEED Fellow, AIA Philadelphia COTE member
Sherman Aronson, AIA, LEED AP, AIA Philadelphia COTE Member

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