



**CANNONDESIGN**

**Housing Experience Overview**



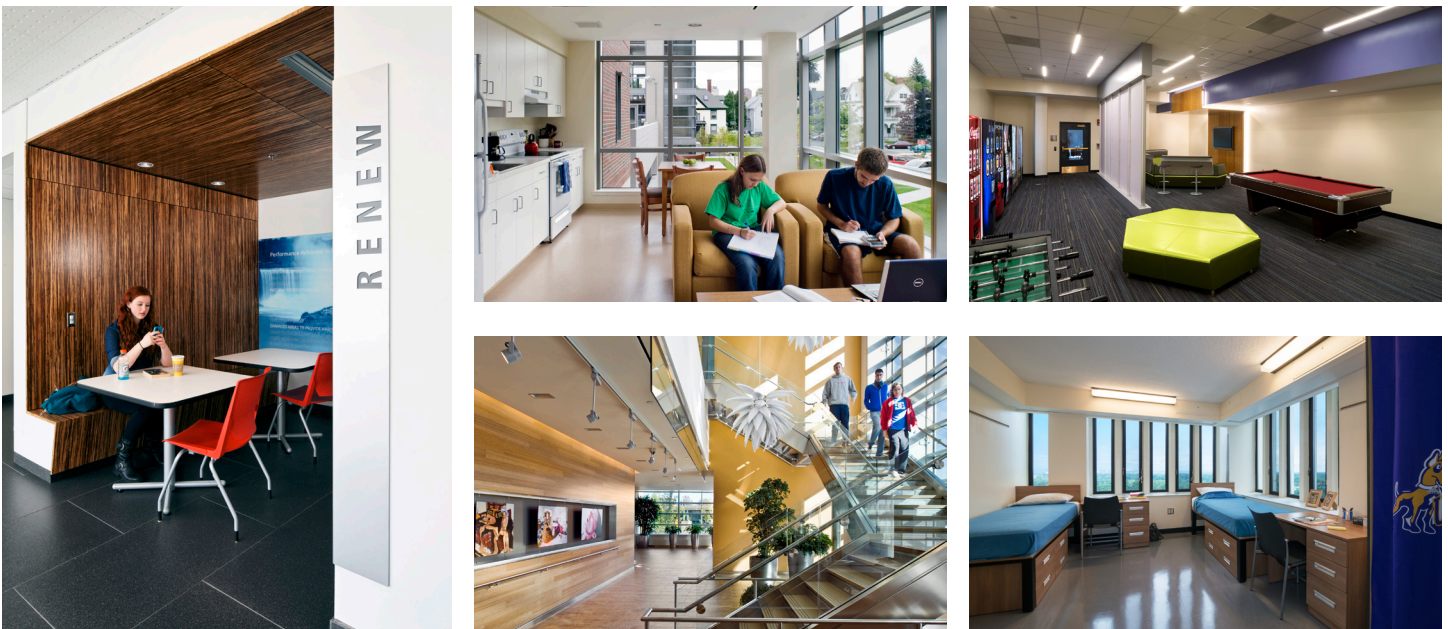
## FIRM OVERVIEW

For more than six decades, CannonDesign has been consistently recognized for design excellence and innovation. CannonDesign plans and designs buildings and interiors that promote productivity, enhance the quality of life of users and visitors and contribute value to the environment. Good design is the physical expression of sound ideas, imagination, and creativity. Rather than work from a predetermined approach, we strive to create environments that are a thoughtful response to their program mission, physical setting, and functional purpose. A guiding principle of CannonDesign is that each project reflects the spirit and personality of its owner.

Our reputation for excellence is built on a foundation of superior resources and capabilities—our people—and on their ability to apply the best skills to the realization of client goals. We are committed to the principle of teamwork and the achievement of added value for clients. CannonDesign aligns itself with our clients' goals and objectives, to contribute to our clients' success by enhancing their productivity, processes, product quality, or cycle time. This kind of partnership fosters an environment that leads to the achievement of client goals in all assignments we undertake.

Our world-class higher education designers believe that the creation of a successful collegiate setting demands understanding of two distinct dimensions: the unique and often highly specialized requirements of a specific program, and the qualities, tangible and intangible, that foster the institutional sense of community and campus life, vital in today's challenging academic environment. These dimensions are made manifest in an institution's buildings, landscape, and milieu—in short, the environment that harbors the future of humanity.

This sentiment lies at the heart of CannonDesign's approach to the planning and design of academic buildings and academic campuses worldwide. We are committed to a process that fosters clear vision through collaboration and results in imaginative solutions that meet the demands of scholarship and research, campus and community, tradition and transformation. Numerous groundbreaking concepts in Student Life, Recreation, Athletics, Research, Performing Arts, Housing, and Campus Planning have arisen that have set a benchmark for today's academic environment.



## EXPERTISE IN STUDENT HOUSING

The competition to attract quality students to today's college and university campuses is fierce. In such a market, one of the most effective recruiting tools a university can utilize is the quality of campus life that it can offer to its students. The campus experience directly impacts each and every student, regardless of academic area of concentration. Campus residential life is a key component of the overall university experience.

As a result, students and university administration alike are looking at residence halls in a different light. No longer merely places to sleep, residence halls are now integral elements in the campus fabric. Students are requesting more and different amenities and placing renewed importance upon outdoor courtyards and green spaces.

A successful building project on a university campus must have a contextual relationship with the campus. Study spaces, recreational spaces, computer lounges, cafes, and outdoor "student quad" green spaces with benches for sitting and reading and open lawn areas for recreational use are critical components in developing a better place to live. Such features enhance student-to-student social interaction as a matter of course in these residential communities and otherwise help to broaden horizons. Better places to live are better places to learn.

Security, both within individual residential units and on the campus as a whole, has become a paramount concern, even on rural campuses. Although technology plays a large part in addressing this issue, it also affects building configuration and siting. Security concerns, along with parents' concerns for economy and students' need for access to campus technology, has helped to propel on-campus housing ahead of off-campus housing as the preferred residential option, even among older undergraduate students.

Trends come and go and technology evolves at a mercurial rate, demanding that the design of contemporary residential units incorporate flexibility as a key design element. CannonDesign's goal in creating student-housing units is to respond to the needs of today's students while anticipating the future changes that will inevitably occur.



## CANNONDESIGN HOUSING EXPERIENCE



### **State University of New York at Purchase, New Residence Hall**

This new 310 bed Residential Hall is designed for the SUNY Purchase College campus. The strategic planning and design provides the opportunity to create a variety of neighborhoods and social spaces with cross-building views at the building massing connection points. Additional connections within the residential unit and connections between units on a floor provide all the inherent possibilities of a more nurturing residential life community.



### **Pratt Institute, Residence Hall**

CannonDesign began the new 200 bed residence hall project with a robust concept design phases to not only identify costs but the ideal program and planning approach. The concept design study addressed the social, economic, and physical impact of a new hall in the residential community and its surroundings. Pratt's students will benefit from the new environment as it will embrace the experiential learning and state-of-the-art technology needed in a leading Art and Design School. Our team is currently in construction documents for the project.



### **University of Utah, Lassonde Studios**

The Pierre Lassonde Entrepreneur Institute, at the University of Utah, is the largest entrepreneur center of its kind in the United States. To further support the Lassonde Institute's programs, the university commissioned Cannon Design, in association with EDA Architects, to program and design a 400-bed residential entrepreneurship institute that met two campus needs: the creation of a "student garage" - a flexible 20,000 sf making/planning-hacking space - and creation of student housing for 400 students ranging from freshman to graduate level.



### **University of Wisconsin Whitewater, Starin Residence Hall**

With a capacity of 450 students, the low-rise five-story building meets the privacy preferences of today's students and provides a living/learning environment that facilitates students' transition to the professional world. The 200,000 sf, \$28 million high-performance project attained a LEED Gold rating in 2011 and exceeds traditional standards in accommodations for the handicapped. Suites feature four single bedrooms, common area, kitchenette, and bathroom.



### **State University of New York at Albany, Mohawk Tower**

Mohawk Tower is a 24-story, 440-bed residence hall. CannonDesign began the project with a full concept study and took it all the way through implementation. A gut renovation of a mid-century modern, the project included creation of a new entry lobby, insulation of exterior walls, replacement of all MEP systems, and complete interior reorganization. Student dwelling units, on floors 3 through 21, received new, ADA-compliant layouts providing suites of four, five, six, and seven beds with private bathrooms and some small shared study spaces.

## CANNONDESIGN HOUSING EXPERIENCE



### **Ave Maria University, Undergraduate Housing Complex**

Composed of four three-story, 150-bed buildings totaling 170,000 sf, the complex - representing the initial phase of the university's \$25 million campus housing program - is the first of several planned "villages" to house undergraduate students and advisors. Floors offering a mix of double-bed residence rooms and four-bedroom, two-bath suites are organized as individual "houses" or social units to foster the cohesion of supportive student groups.



### **Barry University, Dominican Hall**

A three-story, 72,000 sf, U-shaped residence hall providing 247 beds in a combination of single- and double-bed suites, resident assistant rooms, and a two-bedroom staff apartment. A courtyard enables daylighting of all regularly occupied spaces and encourages student interaction. Ground-floor components include 24-7 retail and multipurpose spaces, an office suite, laundry, lounges, lobbies, public restrooms, storage, and utility rooms. Upper floors and half of the ground floor are dedicated to student residences.



### **SUNY Adirondack, Student Housing**

SUNY Adirondack's first on-campus housing project enhances educational opportunities by providing a supportive living/learning environment. The 400-bed, 145,000 gsf, four-story student residence minimizes its footprint on the site to cost-effectively accommodate a future 200-bed expansion and resident parking without sacrificing landscaped courtyards, walkways, and greenspace. CannonDesign, in partnership with a design-build team established by developer Bette & Cring, led the design effort.



### **Minnesota State University, Mankato, Margaret Preska Residences**

The four-story facility diversifies the room types available on a campus that has historically provided basic two-bed rooms. It houses 300 students in semi-suite style accommodations with a shared bathroom for every two single bedrooms, in-room air conditioning and heating controls, sound-resistant walls and loftable beds. By centralizing operations and eliminating one of the campus's two dining halls, the new building reduces operating costs.



### **George Mason University, Upper-Level Student Housing**

The first residence hall on GMU's Prince William Campus is intended to attract and retain graduate students, young married couples, and junior faculty. The mixed-use housing and retail development provides 152 new beds on four floors, a ground-floor retail amenity, and 205 parking spaces. To accommodate residents' varying financial and residential needs, the four residential floors provide 68 studio apartments, four one-bedroom units, and 40 two-bedroom units, as well as a study lounge on each floor.

## CANNONDESIGN HOUSING EXPERIENCE



### **SUNY at Buffalo, William R. Greiner Hall**

CannonDesign provided planning and design services for William R. Greiner Hall, a 600-bed, \$58 million building that not only is the first residence hall built on campus in three decades, but also completes the 1970 master plan for the Ellicott Complex, a northern campus zone adjacent to Lake Lasalle. The LEED Gold project brings a 21st-century residence-life option to campus that employs principles of sustainability, living-learning communities, and universal design.



### **State University of New York Buffalo State, Student Apartment Complex**

Through smart planning, a constructive partnership with the college and the construction manager, and student meetings, a residence hall was designed that fulfilled all programmatic requirements and aesthetic considerations within the college's budget. The 220,000 sf, 500-bed Student Apartment Complex (STAC) is the college's first apartment-style residence hall, the first residence built on campus in 25 years, and the first to be 100% universally designed.



### **Worcester Polytechnic Institute, East Hall**

CannonDesign provided planning and design services for East Hall, a new five-story, 232-bed residence hall. First-floor public areas include: administrative offices, gaming and community rooms, an exercise room, two music rooms, project rooms and a laundry/vending room. Floors two through five accommodate various residential unit types, including 16 four-person apartments with four single bedrooms, 40 four-person apartments with two singles and one double, and eight studio apartments.










### **Nova Southeastern University, The Commons**

The Commons, a new 522-bed residence hall, provides residents with a living-learning environment. The hall plan consists of independently accessible groups of rooms called communities, each composed of students in the same academic field, social club, or other group and consisting of 20 to 30 beds, one resident assistant, lounge space, quiet study area, and storage and trash rooms. Within each community, students live in suites of four one- or two-bedroom units, two bathrooms, and a common area.



### **Boston University, Student Housing Phase II**

A 396,000 sf high-rise at the northwest corner of Boston University's John Hancock Student Village, provides 950 beds in two towers of 19 and 26 stories sharing a common core and lower entry levels. In addition to four-bedroom apartment-style suites with living room and kitchen, the building also offers eight-person suites containing four single bedrooms, two doubles, and no kitchen. A mix of apartments ranging from studio to three-bedroom accommodations house resident assistants, hall directors, and faculty.

		SUNY at Albany Mohawk Tower	State University of New York at Purchase, New Residence Hall	Minnesota State University - Mankato Margaret Preska Residence Community	George Mason University Upper-Level Student Housing Design-Build	Barry University Dominican Hall	SUNY at Buffalo William R. Greiner Hall	SUNY College at Buffalo Student Apartment Complex
PROJECT								
SF		82,000 SF	84,000 SF	119,000 SF	105,000 SF	71,000 SF	198,000 SF	222,000 SF
# OF BEDS		240 Beds	300 Beds	300 Beds	152 Beds	200 Beds	600 Beds	502 Beds
SF PER BED		341 SF	280 SF	396 SF	690 SF	355 SF	330 SF	442 SF
HEIGHT		24 Story	5 Story	4 Story	5 Story	4 Story	6 Story	7 Story
COST	CONSTRUCT.	\$16.8 Million	Est. \$31.5 Million	\$24.5 Million	\$10.5 Million	\$14 Million	\$58 Million	\$40 Million
	COST PER SF	\$204	\$375	\$189	\$100	\$287	\$292	\$181
	COST PER BED	\$70,000	\$106,000	\$75,333	\$69,078	\$54,655	\$96,666	\$79,681
HOUSING TYPES	APARTMENT				■			■
	SUITES		■				■	
	MOD. SUITE	■		■				
	TRADITIONAL							
AMENITIES	DINING		■			■	■	
	LOUNGE	■	■	■	■	■	■	■
	MULTIPURPOSE	■	■	■	■	■	■	■
	STUDY	■	■	■	■	■	■	■
	FITNESS			■	■			
	LAUNDRY	■		■	■	■	■	■
	RESIDENCE LIFE	■	■	■		■	■	■
	OFFICES	■	■	■		■	■	■
	RETAIL			■	■		■	
	COMPUTER	■	■	■		■	■	■
	CLASSROOMS	■	■	■		■	■	■
SUSTAINABLE FEATURES	LEED CERTIFIED		■		■		■	■
	GREEN ROOF / SUSTAIN. SITE		■	■		■	■	■
	LOW VOC MATERIALS	■	■	■	■	■	■	■
	WATER EFFICIENCY	■	■	■	■	■	■	■
	ENERGY EFFICIENCY	■	■	■	■	■	■	■





## LYNNE DENINGER, AIA, LEED AP BD+C

Principal-in-Charge

CannonDesign



### Total Years Experience

30

### Education

BArch : Rhode Island School of Design

B : Fine Arts, European Honors Program:  
Rhode Island School of Design

### Registrations

Registered Architect: MA, NC, CT, RI, ME,  
VT, NH,

U.S. Green Building Council LEED®  
Accredited Professional, Building Design &  
Construction (LEED® AP BD+C), 2010

### Professional Affiliations

American Institute of Architects (AIA)

Boston Society of Architects (BSA)

Association of Independent Colleges and  
Universities in Massachusetts

Board Member, ACE Mentor Program 2009-  
2012

### Seminars and Symposia

"Integrated Design in Student Housing",  
Worcester Polytechnic Institute, April 2009

"Your Campus: A Comprehensive Look at  
Student Life", Harvard Graduate School  
of Design, Executive Education Seminar,  
August 2007

"Residence Life", Harvard Graduate School  
of Design, Executive Education Seminar,  
August 2007

"Integrated Building Design", Cannon  
Academy

### Presentations

2013 2010 ACUHO-I/APPA Housing Facility  
Conference "To be LEED or not to be LEED?  
That is the eternal question"

With almost 30 years of experience planning and designing various project types, Lynne has developed a wide-ranging expertise in the design of university architecture. She possesses a dynamic leadership presence that she has applied in numerous and diverse capacities both on campus and in the workplace. From leading student focus groups and workshops in the early programming phases of a project to marketing, recruitment, and mentoring, Lynne uses her strong communication skills to mine ideas that improve outcomes. Strongly committed to green design, Lynne is a LEED-accredited professional with experience managing interdisciplinary teams of professionals responsible for establishing integrated green strategies.

### Experience

**University of Utah, Lassonde Entrepreneur Institute, Salt Lake City, UT**  
40,000 gsf center with classrooms, residential space, and entrepreneurial "garage."

### Pratt Institute, Residence Hall, Brooklyn, NY

New \$20 million, 60,000 sf residence hall. The residence hall will contain: 200 beds, maker/lounge spaces, and living/learning environments.

### State University of New York at Purchase, New Residence Hall, Purchase, NY

Planning and design for the construction of a 300 to 325 beds in a junior suite style configuration with each unit having two single bedrooms, one double bedroom and a bathroom.

### State University of New York at Albany, Mohawk Tower, Albany, NY

Architectural and engineering services for the renovation of a 24-story, 440-bed residence hall.

### Minnesota State University, Mankato, Margaret Preska Residence Community, Mankato, MN

118,000 sf, 300-bed, traditional semi-suite residence hall with amenities to support first-year and sophomore-year experience, including classrooms, public social space, and support space.

### University of Wisconsin-Whitewater, Starin Hall, Whitewater, WI

New 450-bed, 200,000 gsf, five-story, suite-style residence hall with high level of accessibility for students with disabilities. LEED Gold certified.

### Bates College, Student Housing at Garcelon Field, Lewiston, ME

Programming and design for a living/learning community with 265 beds.

### Boston College, Rubenstein and Ignacio Halls Infrastructure & Finishes Assessments, Boston, MA

Assessment of infrastructure and finishes for two six-story, 124,000 gsf structures built in 1973.

2012 ACUHO "Sustainable research and student engagement on campus"

2012 NEACUHO "Sustainable research and student engagement on campus"

2011 ACUHO "Sense and sustainability: A case study of UWW's LEED-Gold, universally-designed Starin Hall"

2011 NEACUHO "Sense and sustainability: A case study of UWW's LEED-Gold, universally-designed Starin Hall"

2010 NEACUHO "Do's and don'ts-Designing and living in a green residence hall"

2010 NEACUHO "Breaking news-sustainability updates from ACUHO-I and NEACUHO"

2010 ACUHO-I "Residential master planning - A roadmap to a sustainable future"

2010 ACUHO-I "AASHE's STARS program: Helping to create a sustainable campus"

2010 ACUHO-I Program: Do's and don'ts - How to design and LIVE in a sustainable residence hall; creating THE place to belong.

2010 SCUP North Atlantic Regional Conference "To build or not to build, that is the question"

2009 ACUHO "How much does building green really cost?"

2009 NEACUHO "Green design: Changing living learning opportunities on campus"

"WPI's Sustainable Residence Hall: Presentation and Tour", Co-Presenter, March 2009

Guest Lecturer, "Introduction to Civil and Environmental Engineering Class", March 2009

NACUBO Presentation "Campus Environment Stewardship Makes "Cents", New Orleans, LA, September 2007

"High Expectations Demand High Performance Facilities", Living Learning Programs & Residential Colleges Conference, October 2007

"'Minerva' House System: Union College Rejuvenates Their Residential Life Program", NACAS, November 2006

"Taking Living Learning in a New Direction", ACUHO-I, June 2006

"Partnering for Housing in the 21st Century", NACAS, 2005

"The Magic of Mixed-Use on Campus", NACAS, 2004

"They're Not 18 Anymore - Housing and Student Life Facilities for Graduate Students," ACUHO-I, 2003.

### **California State Polytechnic University, Pomona, Housing Master Plan and Feasibility Study, Pomona, CA**

Study evaluating all housing offerings, particularly aging stock of freshman housing, with goal of repositioning or replacing housing stock to meet campus and student needs.

### **California State University Northridge, Student Housing Phase 2, Design Criteria Documents, Northridge, CA**

Programming and architectural design services for phase 2 of student housing.

### **California State University, Channel Islands, Student Housing Complex Phase 3, Camarillo, CA**

Programming and conceptual design for multi-phased expansion of student housing complex and dining commons. Study includes strategies for both renovating existing hospital and infilling new residential buildings on campus.

### **George Mason University, Upper-Level Student Housing Design-Build (Beacon Hall), Manassas, VA**

Design-build for upper-level student housing at GMU's Prince William campus.

### **Governors State University, Residence Hall and Dining Facility Design and Implementation, University Park, IL**

Design through CA for expanded on-campus housing and dining options to support university's strategic enrollment initiatives.

### **Missouri State University, Sunvilla Tower Residence Hall Study, Springfield, MO**

Re-visioning study of Sunvilla Tower residence hall. Teamed with Dake Wells.

### **Nova Southeastern University, The Commons, Ft. Lauderdale, FL**

528-bed, modified suite-style residence hall for sophomores and juniors including common spaces, residential life administration office space, and five apartments. Design/build project with Moss Miller Smoker LLC.

### **San Jose State University, Student Housing Design Criteria, San Jose, CA**

Design criteria for a 7-8 story, 850-bed student housing looking at rebranding their student housing quadrant. The university needed design criteria developed quickly for use by design/build teams. The new building had to be built on a tight site with minimum disruption to the surrounding campus, and it needed to provide flexible outdoor spaces for student gatherings.

### **Worcester Polytechnic Institute, East Hall, Worcester, MA**

Planning and design services for new LEED Gold, five-story, 232-bed residence hall, 220-car parking structure, and landscaped Arts Walk.

"Infinite Ambition, Finite Resources: Balancing Cost and Amenities," NACAS, 2003.

"Green Materials," 3rd Annual Regional Sustainable Development Forum, MIT, 2002

"Sustainable Design: A Different Approach to Greening Your Housing," ACUHO-I, 2002.

"Facilities Assessment: an Integral Part of Mergers and Acquisitions," ASHE, 1997.

#### **Publications**

"Sustainable Campus Housing: Building a Better Place", The Sustainable University: Green Goals and New Challenges for Higher Education Learning, The Johns Hopkins University Press, 2012

"What students want", College Planning and Management, August 2010

"Supporting and enhancing efficient outcomes" School Construction News, April 2010.

"Integrated Design: A Sustainable Mindset for Residence Halls" The Journal of College and University Student Housing, Sustainability Theme Issue, March 2009

"Village-Like Residential Campuses Attract Those Seeking Communities" Banker and Tradesman, April 2008

"Reuse, Recycle, Rebuild," Athletic Business - Facility Design, April 2001

"What is Green Design? It's Good Business", April 2001

University Business, December 2009,

"Pushing ADA beyond the limits"

Quoted in "On-campus housing changes with the times", Student Housing Business, May/June 2015

#### **University of North Carolina at Chapel Hill, Student Residences, Chapel Hill, North Carolina\***

The main goal of the new University of North Carolina at Chapel Hill residence hall project was to create a vibrant student community to invigorate the South Campus. The vocabulary of new buildings and landscape will reflect the character of the historic North Campus, will work with existing architecture and landscape, and will create a distinct and memorable student living community.

#### **Union College, Schenectady, Minerva House Renovations, NY\***

Architect for the renovation of existing residence North Hall into the Minerva House, part of a new House System at Union College. The Minerva House System created the opportunity for students to live in small, communities that offer real opportunities for growth through self-governance, group activities and academic discussion, outside the Greek system. The new houses were designed to offer unique living-and-learning experiences on campus.

#### **University of South Carolina, Honors College Residence, Columbia, SC\***

Programming, feasibility and design of a new \$49M, 700 bed Living Learning Community for the University of South Carolina's Honors College. Residential program elements include clustered residential suites, residential dining hall, community lounge and game rooms.

#### **University of Massachusetts Boston, Residential Master Plan Boston, MA\***

New master plan accommodated 2,000 units of housing programmed for the campus, in a bold plan that strengthens and improves the overall internal campus structure and linkages to its surroundings.

#### **University of Vermont, Catamount Student Apartments, Burlington, VT\***

This \$13M, 200 bed of apartment style housing complex for upper class and graduate students was situated around a reclaimed, natural ravine, the building and landscape are models for environmentally responsible design and construction practices. Community living rooms and decks take advantage of the dramatic landscape and provide opportunities for social and academic interaction. Other amenities include interior greenhouses, reading rooms and meeting rooms as well as exterior bike paths and social terraces to engage the landscape.

#### **Michigan State University, Brody Complex Apartments, East Lansing, MI\***

Programming, planning and precinct master plan for a new 350 bed apartment style residence hall within an existing residential village of 1,600 students. Following the master plan the team continued with full design services for the project.

\*Experience prior to CannonDesign



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