
Pasadena Area Community
College District

August 8, 2025

District Design Standards Handbook

Part - 1

Prepared by

CANNONDESIGN



PASADENA CITY COLLEGE

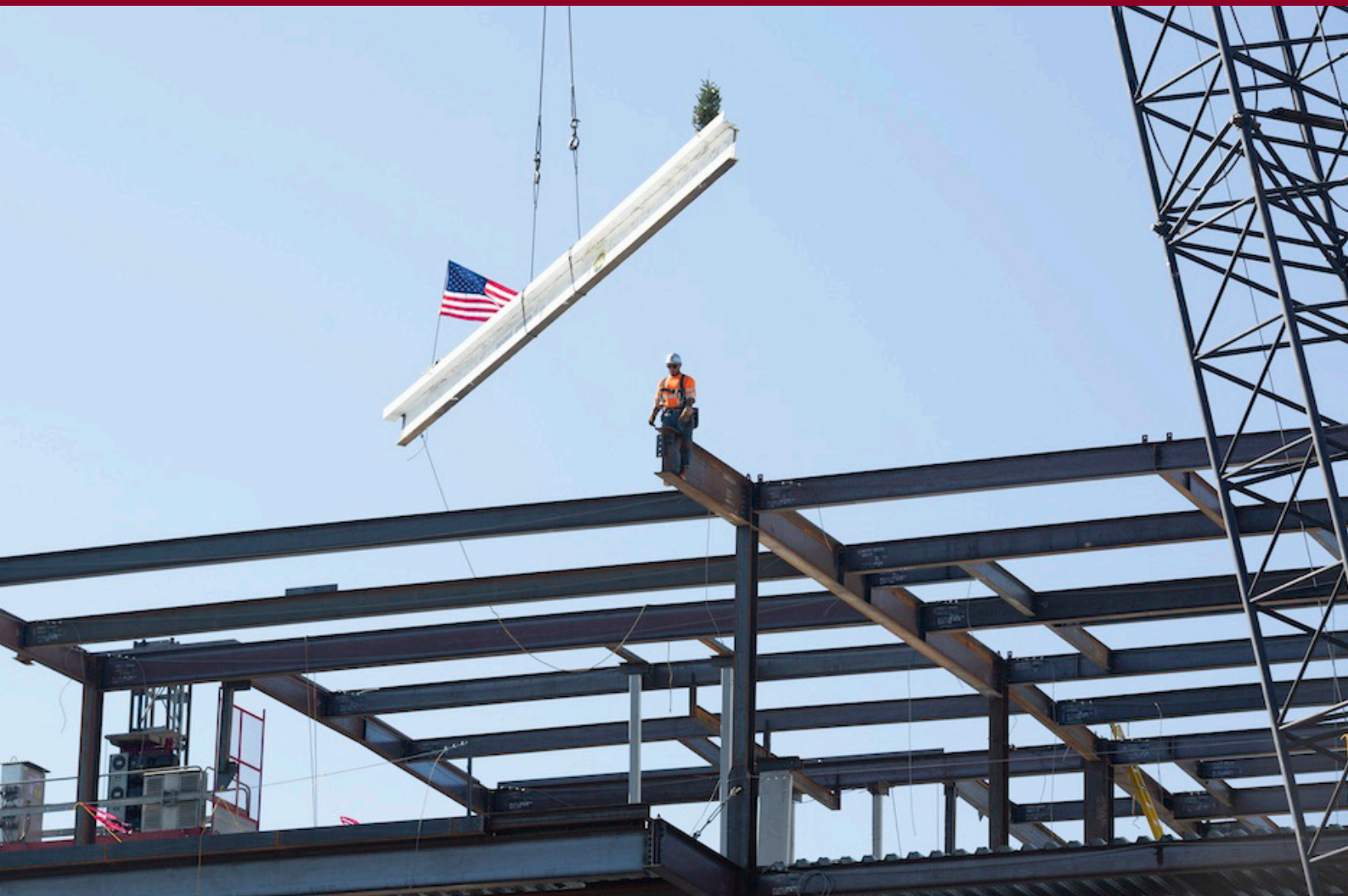


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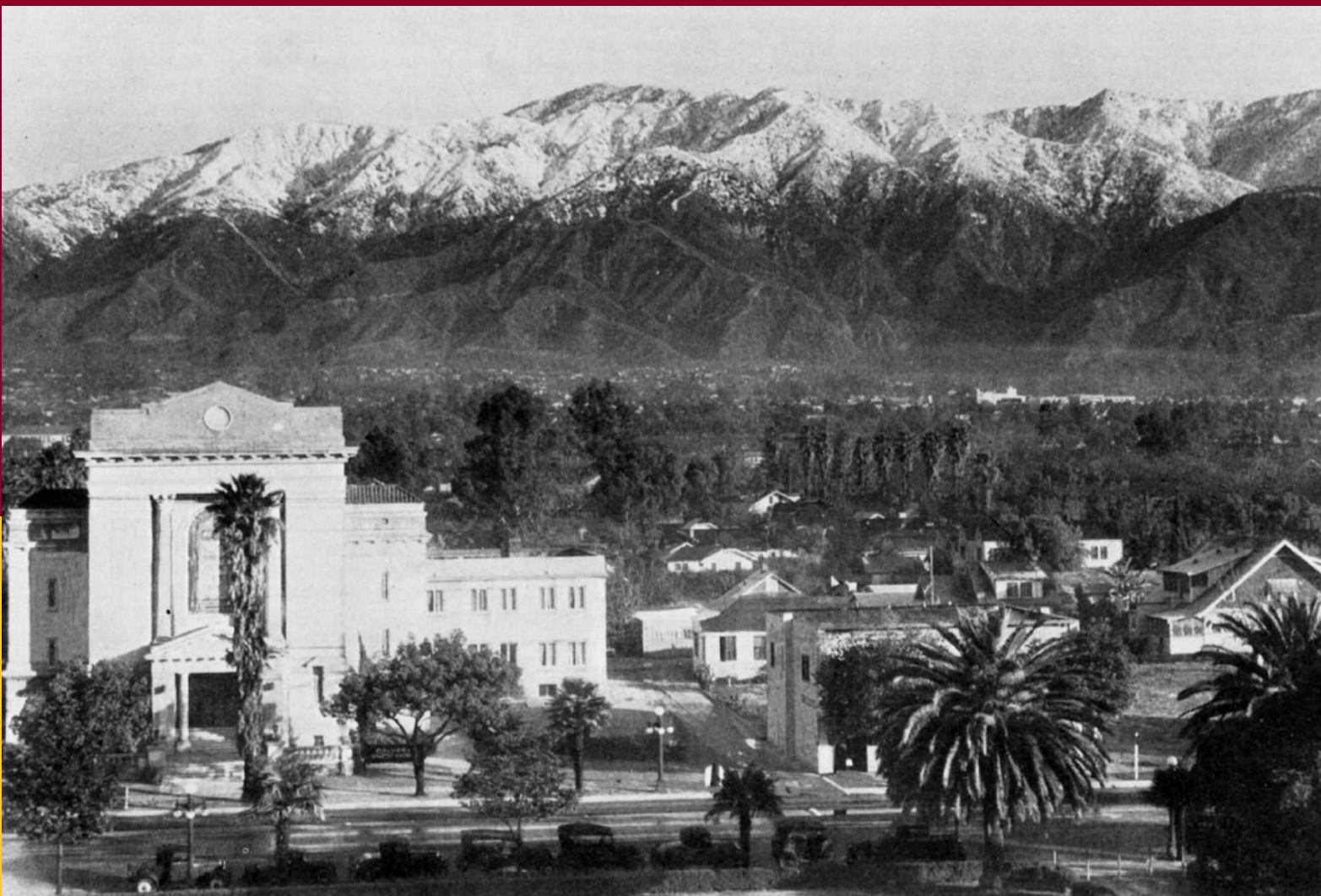
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Introduction



1.1.0 Executive Summary

These guidelines and standards have been developed to promote the efficient, consistent, and cost-effective design and construction of all new and modernized buildings part of the Pasadena Area Community College District. The document establishes a framework that combines new sustainable design guidelines and specifications, and operational and maintenance requirements. This Standard has been established incorporating best practices and contributions from members of Facilities, Maintenance and Operations, the IT department, and Public Affairs & Marketing.

The Pasadena Area Community College District standards handbook is divided into two sections. Part 1 encompasses space standards, sustainability guidelines, wayfinding strategies, color palette details, and landscaping and planting instructions. Part 2 of the handbook includes the project manual, which presents specifications from Division 3 through Division 28.

The guidelines in this manual serve as supplementary requirements to Public Contract Code and governing Building Codes that shall be adhered to on all projects.

Pasadena Area Community College District is setting forth a framework of criteria and standards that establish a level of consistency and quality for all new and renovated building projects.

Scope

The A/E/C firms retained to execute the design of new and remodeled buildings will be expected to follow the Design Standards, meet or exceed the standards described herein, and provide the consistency required within each project. The guide will not only provide the tools to meet these goals but will furthermore offer the time-saving benefit of clearly identifying the level of quality and consistency that will be acceptable by PCC.

Providing these consistencies will greatly enhance the long-term maintenance of these facilities. The criteria and standards are generic for the projects overall. Specific requirements related to each project will be addressed in individual project specifications and during the design process.

Updates and Issues

Proposed variations to the Design Standards Manual must be submitted in writing to the Facilities department for review and written approval prior to depicting such variations in the design documents.

Summary

The Design Standards Manual provides technical standards that the design and construction teams will be expected to meet or exceed.



1.1.1 About PACCD

The Pasadena Area Community College District (PACCD) serves the San Gabriel Valley by providing a diverse range of academic programs designed to support student success. Each semester, over 27,250 students enroll in programs that include degrees, transfer opportunities, and vocational certificates. The college serves a varied population of learners, encompassing local, international, online students, LGBTQ+, veterans, members of multicultural and Latinx communities.

Academic offerings cover multiple disciplines such as science, math, liberal arts, music, art, athletics, nursing, and vocational arts. These programs are supported by experienced educators, staff, and counselors who assist students in preparing for university transfers or pursuing career paths.

History

Pasadena Area Community College District boasts a vibrant and inspiring history that reflects resilience, innovation, and an unwavering commitment to education. Established in 1924 as Pasadena Junior College; Pasadena City College (PCC) was a trailblazer among junior colleges in the Southwest, laying the foundation for a century of academic excellence and community impact.

During the Great Depression and World War II, PCC rose through significant challenges and emerged as a beacon of hope and adaptability. The college persevered, offering vital education and training during some of the nation’s most difficult times. The post-war era brought a surge in enrollment fueled by the G.I. Bill,

alongside the establishment of John Muir College to meet the educational needs of an expanding student population. This period marked an exciting new chapter of growth and opportunity for the college.

Over the decades, PACCD continually transformed its campus to reflect modern innovation and the evolving needs of its students. Iconic structures were developed, standing as symbols of the college’s forward-looking vision. PCC at Rosemead, a full-service educational center, was opened to give greater access of higher education to diverse communities within the district. At the same time, PACCD remained a pioneer in curriculum development, introducing groundbreaking programs in engineering, nursing, the arts, and beyond. The college has remained steadfast in its mission to equip students with the skills and knowledge necessary to thrive in an ever-changing world.

Deeply rooted in the cultural and social fabric of Pasadena and the surrounding communities, PACCD serves as a cornerstone of community engagement. It has fostered inclusivity and collaboration while hosting vibrant events that bring people together. As PACCD celebrates its remarkable centennial milestone, it boldly looks ahead, embracing modern challenges with an eye toward sustainability, diversity, and educational innovation. The college is more committed than ever to shaping future leaders and creating opportunities that enrich both its students and the community at large.

This illustrious history, paired with an ambitious vision for the future, ensures that PACCD continues to shine as an extraordinary institution of learning, discovery, and community engagement for generations to come.



Pasadena Area Community College District’s history is a testament to its resilience, adaptability, and dedication to academic excellence.

The college has played a pivotal role in shaping the region’s educational landscape and continues to be a beacon of learning and community engagement.



Locations

The Pasadena Area Community College District is located north of Los Angeles in Pasadena, California at the foothills of the San Gabriel Mountains with multiple locations.

PCC Main Campus

1570 E. Colorado Blvd., Pasadena, CA 91106

Foothill Campus, formerly Community Education Center (CEC)

3035 E. Foothill Blvd., Pasadena, CA 91107

PCC at Rosemead

4105 Rosemead Blvd, Rosemead, CA 91770

John Muir

1905 Lincoln Ave. Pasadena, CA 91103

Child Development Center

1324 E Green St., Pasadena, CA 91106

1.1.2 Process

In December 2024, the Pasadena Area Community College District (PACCD) began creating the District’s Design Standards and guidelines document.

This initiative aims to shape the future of the district’s campuses and establish a unified vision. By leveraging the lessons learned during the Sarafian project, the team aimed to refine and enhance the campus design standards with a focus on consistency, performance, quality, and adaptability.

The design standards process at Pasadena Area Community College District (PACCD) is structured around four critical phases: **Discover, Develop, Detail, and Deliver.**

DISCOVER

The primary objective of this phase was to collect and analyze all pertinent qualitative and quantitative information about PACCD and the Colorado campus through multiple engagement methods and analyses. The design team examined the two most recently completed buildings on the campus, reviewing their plans and specifications to identify areas for improvement and propose strategies that embraced modern solutions while preserving the district’s unique identity. The efforts were guided by fundamental principles such as equity, accessibility, sustainability, campus identity, and functionality. These principles formed the foundation of a holistic approach to elevate the PACCD campuses as vibrant, inclusive, and forward-thinking environments. This comprehensive effort is aimed to set a precedent for impactful, sustainable, and accessible future project developments.

DEVELOP

This phase expands on the findings from the Discover phase and proceeds to explore the possibilities for the Design Standards. The PACCD stakeholder team was engaged on a series of working sessions, ensuring an inclusive approach that incorporates the diverse perspectives of PACCD maintenance department, technology department, as well as the educational standards established by PACCD. The goal of these sessions was to collectively review and refine data gathered from the Discover phase and obtain a comprehensive understanding of the unique needs and aspirations of the district with an emphasis on consistency, performance, quality, and adaptability. The insights gathered during these sessions are instrumental in shaping the framework for the Design Standards and Guidelines. The district key stakeholders involved in this process include:

FACILITIES

- Richard Laret
- Monelito Mendoza
- Jing Wang

MAINTENANCE & OPERATIONS

- Carl Sheaffer
- Robert Lazo
- Raudel Perez
- Oshin Karami
- Roberto Emerick

IT DEPARTMENT

- Dupre Vega
- Roberto Jurado
- Michael O’Neal-Petterson
- Tendaji Jamal

PUBLIC AFFAIRS & MARKETING

- Alex Boekelheide
- Gilbert Rivera
- David Steiman

A series of detailed working sessions cover the different sections of this document:

- February 5th, 2025 — Baseline Session
- March 26th, 2025 — Space Design Session
- April 8th, 2025 — Building Systems Specifications Session
- April 9th, 2025 — Architecture Specifications Session
- April 16th, 2025 — Sustainability & Wayfinding Session
- May 16th, 2025 — Second Wayfinding Session
- May 22nd, 2025 — Second Sustainability Session

DETAIL

During the Detail phase, the CannonDesign team will work closely with PACCD to refine and further develop the recommended design standards, ensuring they align with the identified needs and aspirations of the District. This phase is dedicated to adding layers of detail to the foundational work completed during the Discover phase, with a focus on clarifying, enhancing, and shaping the document into a more comprehensive and actionable guide. A key component of this phase will be a meticulous review of all feedback provided by PACCD, including detailed markups and annotations on the First Draft of the document.

Once CannonDesign has thoroughly examined and incorporated PACCD’s comments, a series of additional working sessions will be arranged with the District. These sessions will provide an opportunity to address specific comments and ensure that all feedback is accurately captured, understood, and integrated. The iterative nature of this phase will allow for a continuous refinement of the design standards, ensuring that no critical detail is overlooked as the document evolves toward its final form.

This process of refining emphasizes the collaborative nature of the project. The overarching goal is to synthesize PACCD’s insights into actionable strategies that respond to immediate priorities while also

establishing a framework for long-term success. By focusing on the finer details, the team ensures that the resulting document will serve as a robust, forward-looking resource that meets the District’s aspirations while maintaining flexibility for future innovation and growth.

DELIVER

The final phase involves creating the Design Standards document, which outlines the process and recommended options. This framework promotes efficient, consistent, and cost-effective design and construction of new and renovated buildings. The design standards and guidelines will be presented to the PACCD Board for approval.

The valuable input and extensive knowledge of PACCD’s staff have been instrumental in ensuring that these standards both practical and innovative.



1.1.3 Design Standards Introduction

This handbook embodies a unified approach to design standards that balance creativity with functionality. The Pasadena Area Community College District Design Standards was designed to standardize design solutions and establish minimum performance requirements. This guide serves as a resource for A/E/C firms.

This document establishes standards of quality and consistency, drawing upon the distinctive features of existing campus buildings while adapting to the current space planning and building code standards.

The sections ahead delve into vital aspects of campus design, including space standards, wayfinding strategies, sustainability practices, color and planting palettes, and technical specifications. Each component has been thoughtfully developed to provide clarity and direction while allowing for tailored solutions that meet the unique requirements of individual projects and sites.



1.1.4 Basis of the Document

Drawing from the features of the campus’ buildings, this document builds upon the PACCD staff’s institutional knowledge to discover what works, develop innovative approaches, and detail requirements that align with the current planning, sustainability standards and building codes.

CODES

The Pasadena Area Community College District Design Standards are based on the 2022 California Building Code. Pending the release and implementation of the 2025 California Building Code and future code updates, the requirements on this document shall be modified to meet all future applicable regulatory requirements and updated periodically to ensure the document remains relevant. Where conflicts arise between the code and this document, the conflict should be brought to the district’s attention in writing and modified as needed to meet all regulatory requirements.

BUILDINGS

This document is heavily informed by an extensive analysis of the plans and specifications of the two most recently completed buildings on the Colorado Campus: the CA-Building (Center for the Arts) and the U-Building (Armen Sarafian). Essential aspects such as space layouts, colors, systems, manufacturers, and valuable insights have been derived from these buildings, establishing the basis for the standards delineated herein.

TEAM

This document has been created through the collaboration of CannonDesign and the Pasadena Area Community College District. The names of all people involved in creating this document are listed in alphabetical order.

PACCD	CANNONDESIGN
Alex Boekelheide	Melody Bergey
Roberto Emerick	Mark Graf
Richard Laret	Craig Hamilton
Robert Lazo	Keith Hammelman
Tendaji Jamal	Liliana Huff
Roberto Jurado	Cindy Lai
Oshin Karami	Amber Lang
Monelito Mendoza	Kassam Master
Michael O’Neal-Petterson	Chris McCampbell
Raudel Perez	Hazim Rabadi
Gilbert Rivera	Eric Shamp
Carl Sheaffer	Harut Voskanyan
David Steiman	Emily Weiser
Dupre Vega	Jay Whisenant
Jing Wang	David Wong

The overarching goal of this collaboration is to synthesize previous successes into actionable recommendations that can address both immediate and long-term priorities for the district.

1.1.5 Document Sections

The handbook is divided into two parts. Part 1 contains the PACCD Design Standards and Part 2 contains the PACCD Guidelines Specifications.

Part 1 - Is divided into several important sections the space design standards, sustainability considerations, wayfinding strategies, color palette, landscape & planting palette, and attachment details. Each section ensures campus consistency, functional efficiency, and alignment with district goals.

SPACE DESIGN STANDARDS

The layouts and room design criteria matrices specify the minimum requirements for various common room types, providing guidelines to ensure their functionality. These space standards are based on research of CA-Building (Center for the Arts) and U-Building (Armen Sarafian), current codes, supplemented with CannonDesign’s experience and expertise; refined through the collaborative process with PACCD.

SUSTAINABILITY CONSIDERATIONS

The Pasadena Area Community College District seeks to reduce greenhouse gas emissions, mitigate the environmental and health effects of their facilities, and inspire future leaders and other organizations to embrace sustainability. Sustainable design is an integral part of that commitment and an integral part of these Design Standards.

WAYFINDING STRATEGIES

An effective and cohesive wayfinding signage system is essential for navigating the campus efficiently and establishing the Pasadena City College Brand. This section provides guidelines for signage to aid in spatial orientation and visual cues which help students, staff, and visitors find their way around the campus.

COLOR PALETTE

The color palette section specifies PACCD’s branding colors currently used throughout the campus, which will be applied in similar contexts to maintain a consistent campus aesthetic aligned with the district’s identity.

LANDSCAPE & PLANTING PALETTE

Landscaping plays a significant role in creating a welcoming and sustainable campus environment. This section provides approved plant selections, to ensure that the landscaping is harmonious with the existing campus design and maintenance practices.

ATTACHMENT DETAILS

The attachment details provided show the intent of attachment concepts, all attachment details should be designed by a qualified structural engineer with a license to practice in California. All attachment details should be approved by DSA.

Part 2 - Contains the PACCD Design Guideline Specifications.

GUIDELINE SPECIFICATIONS

This section specifies various building elements, products, materials, performance, and design guideline considerations to ensure all projects meet district standards. Based on the CSI Masterformat, these abbreviated sections reflect key products and materials considered appropriate to designate as a District Standard. These sections should be considered as a starting point for discussion with the District during the design phase.



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1.2 Space Design Standards



1.2 Space Standards

The PACCD Space Design Standards have been prepared to identify the anticipated level of quality, address unique infrastructure requirements, and specify the minimum criteria for various commonly used space types throughout the campus. These standards are not intended to be maximum requirements of the space types but instead provide a solid foundation for design professionals to build upon. By including floor plans that offer visual representations of intended layouts and room data sheets that elaborate on non-graphical information, this document establishes the groundwork for understanding functional requirements. The room data sheets outline the primary function of the space, the minimum area needed, special requirements, sustainability considerations, general finish materials, equipment, furnishings, casework, and necessary building systems.

The layouts presented here serve as flexible guidelines rather than strict limitations. These standards are created to provide performance benchmarks, technological requirements, and functionality for educational administrative supportive and back of house spaces that promote safe, equitable, functional and accessible conditions. The goal is to ensure universal usability without the need for adaptation or specialized design. It is crucial to understand that while this document sets the minimum criteria for these types of rooms, it does not dictate the final design. Instead, it encourages architects and engineers to use their expertise to design spaces that meet these established minimum levels and then adapt and enhance them according to the specific programmatic needs of the building and its unique curriculum pedagogy.

By serving as a foundational reference, these standards aim to support professionals in creating functional and sustainable spaces while leaving room for creative and contextual adaptations by the design teams.



BUILDING CODE

Based on the 2022 California Building Code, these standards are living documents and are expected to evolve with future updates, such as the implementation of the 2025 California Building Code and beyond. Regular updates and maintenance of this document are encouraged to ensure it remains relevant, reliable, and reflective of the changing regulatory landscape and PACCD’s goals.

Space Typologies

EDUCATIONAL

- Large Lecture Room
- Lecture Room
- Lecture Room Hyflex
- Classroom
- Classroom Hyflex
- Computer Laboratory

SUPPORT SPACES

- All Gender Multi-Stall Restrooms
- Multi-Stall Restrooms
- Single Occupancy Restroom
- Lactation Room

ADMINISTRATIVE

- Large Conference Room
- Medium Conference Room
- Small Conference Room
- Shared / Open Office
- Private Office

BACK OF HOUSE

- Janitor Closet
- MDF
- IDF



1.2.1 Educational Spaces

The PACCD educational space standards provide guidelines for the organization and infrastructure of the rooms. These standards are designed to be adaptable to various room capacities and teaching methodologies. Individual applications may vary but should aim to support distributed equitable access and seating, remaining consistent with current accessibility requirements, building codes, and recognized best practices in educational environments.

As remote technologies have developed and become ever more prevalent, the standards incorporate Hyflex options for classrooms and lecture rooms, highlighting the unique technology requirements necessary for flexible teaching methods, allowing for seamless integration of in-person and remote learning experiences. The guidelines are general and will need to be supplemented with additional curriculum requirements. This type of unique curriculum pedagogy specification is not included in this standard. Design teams are encouraged to work closely with PACCD to implement the requirements.

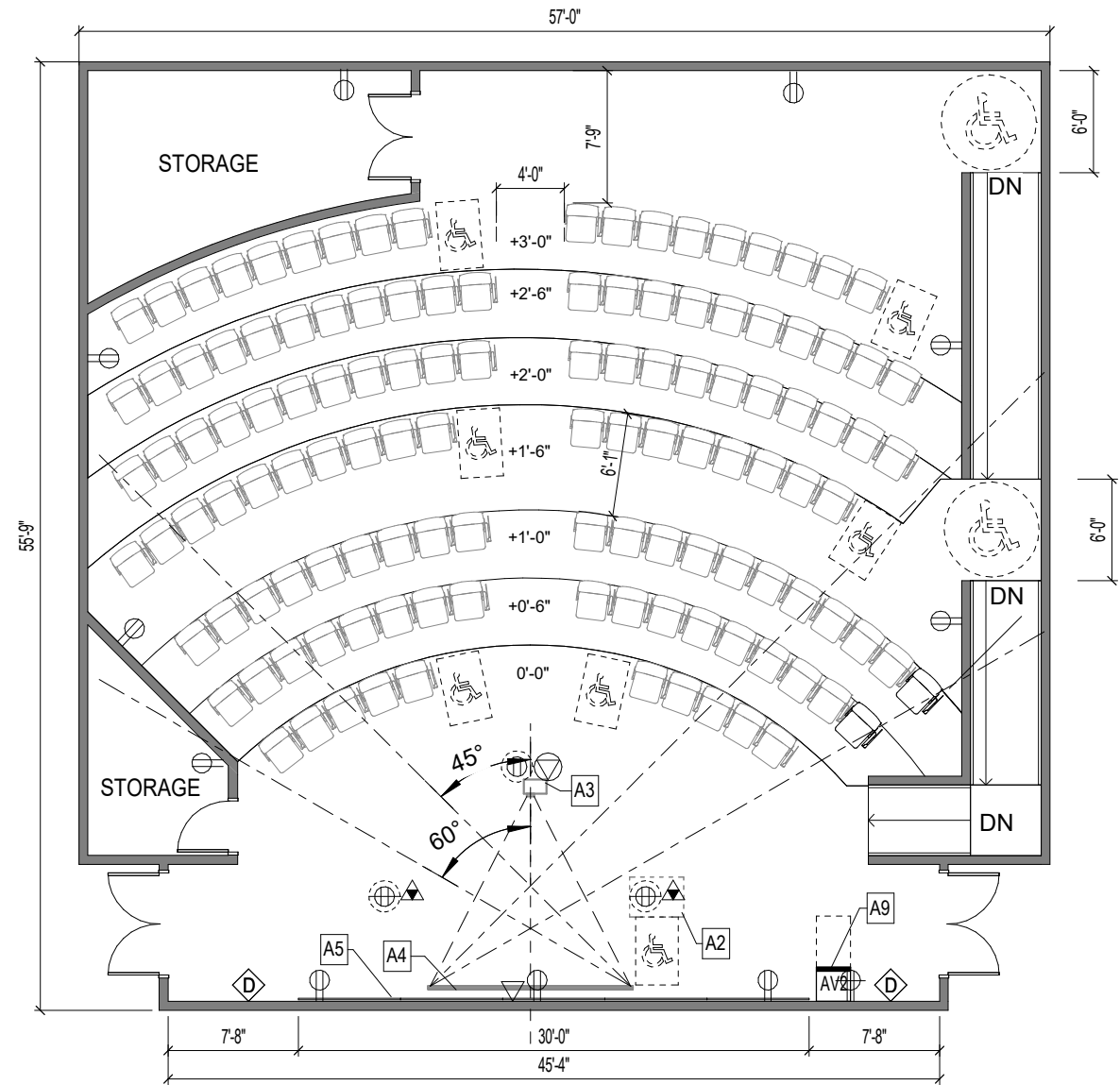
All teaching walls should be prioritized to be on the corridor side. Walls flanking the teaching wall should provide additional backing for future deployment of marker boards, tackable surfaces or screens if they are not provided as part of the design. Fenestration is not shown as not to limit design opportunities, but daylighting strategies for the educational spaces should be provided reinforced by sustainable practices. Fenestrations should be equipped with roller shades at a minimum and utilize architectural shading devices and light shelves where applicable to the design.

Avoid thresholds and uneven transition from the corridors into the rooms. These transitions pose difficulties for the autonomous scrubbers utilized by the maintenance staff.

Laboratories and specialized classrooms are omitted from the design standards as they will have individual requirements which will need to be coordinated with the district, but the guidelines of this document should be judiciously applied to similar educational spaces.



LARGE LECTURE ROOM
Scale: 3/32" = 1'-0"



SYMBOL LIST		No.	TEXT
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"	A2	LECTERN, OFOI
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"	A3	PROJECTOR
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"	A4	PROJECTION SCREEN
	CEILING MTD DUPLEX RECEPTACLE	A5	MARKER BOARD W/ TRAY @ 34" MAX. A.F.F. MARKER TRAY TO PROJECT 4" MAX. FROM WALL.
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE	A9	AUDIO VISUAL RACK
	DIMMER CONTROL		
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		

Room Data Sheet
LARGE LECTURE ROOM

AREA
2,900 SF MIN.

CEILING HEIGHT
12'-0" MIN.

PRIMARY FUNCTIONS: 130 Seat large lecture room with stepped seating and integrated storage

ARCHITECTURE

SPECIAL REQUIREMENTS:
Stepped seating. Handrails at steps. Acoustic panels. Ceilings to be 9'-0" Min. above the highest stepped floor level. Ramp for circulation within the room. 2 exits minimum.

FINISHES

WALLS	FLOOR	BASE	CEILING	REMARKS
Paint	Resilient Flooring	Rubber Base	ACT	Acoustic Panels

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:
General illumination recessed linear type fixtures, ceiling mounted occupancy sensors and at least 3-zone dimmer stations.

SPECIAL POWER / SERVICE NEEDS:
Floorbox teacher station; overhead projector; quad at AV rack.

COMMUNICATION / DATA:
Ceiling mounted intercom speakers; overhead projector; wireless access point; stand-alone AV system.

SECURITY / ACCESS:
Key lock.

HVAC REQUIREMENTS:
Air-conditioned; thermostat near one door next to lighting control; noise canceling requirement of 25 or less (acoustics); demand control ventilation (CO2 monitor).

PLUMBING FIXTURES / SERVICES:

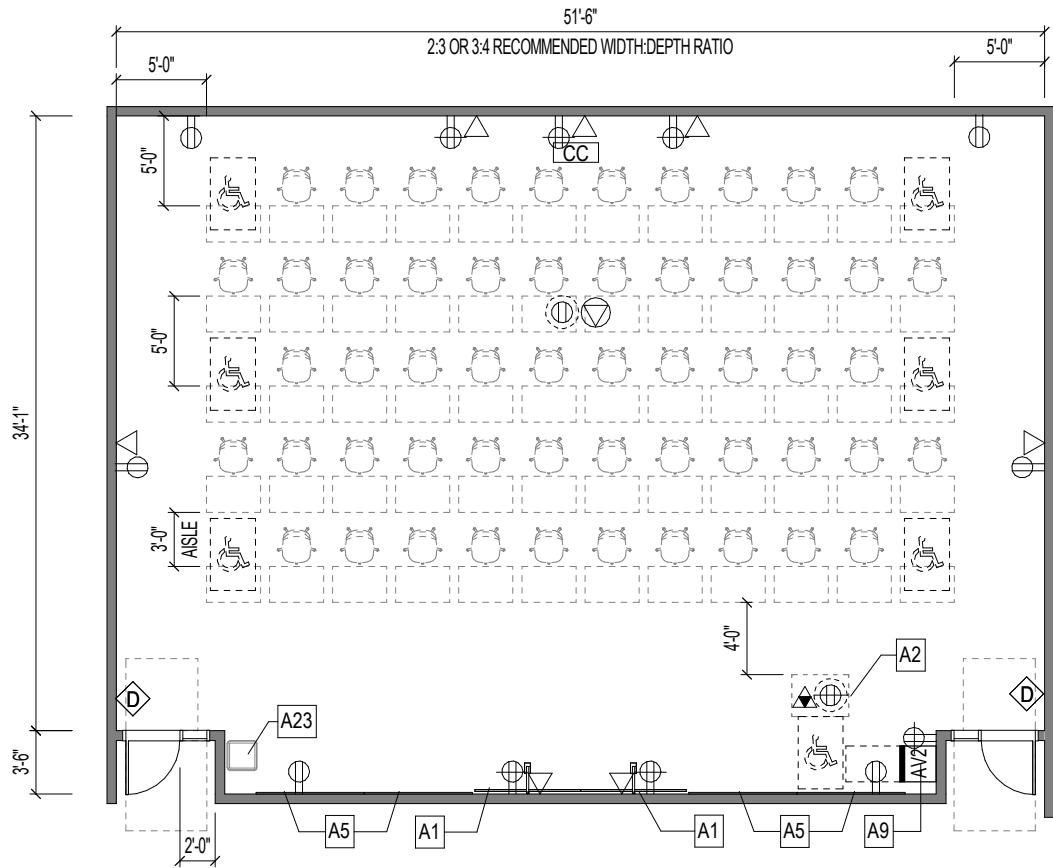
SPECIAL REQUIREMENTS:

FURNISHING

EQUIPMENT / FURNITURE
Clock OFOI, Lectern OFOI, Trash receptacle OFOI, Marker board with tray @ 34" MAX. A.F.F. Marker tray to project 4" MAX. from the wall, Roller shades.

CASEWORK

LECTURE ROOM
Scale: 3/32" = 1'-0"



SYMBOL LIST		No.	TEXT
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"	A1	SMART BOARD
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"	A2	LECTERN, OFOI
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"	A5	MARKER BOARD W/ TRAY @ 34" MAX. A.F.F. MARKER TRAY TO PROJECT 4" MAX. FROM WALL.
	CEILING MTD DUPLEX RECEPTACLE	A9	AUDIO VISUAL RACK
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE	A23	TRASH RECEPTACLE
	GFCI DUPLEX RECEPTACLE		
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO		
	KEYED SWITCH		
	DIMMER CONTROL		
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	RACK		
	CLASSROOM CAPTURE CAMERA		
	CEILING MOUNTED MICROPHONE		
	JUNCTION BOX		

Room Data Sheet
LECTURE ROOM

AREA
1,900 SF MIN.

CEILING HEIGHT
9'-6" MIN.

PRIMARY FUNCTIONS: 60 Seat lecture room

ARCHITECTURE

SPECIAL REQUIREMENTS:
Provide backing at walls with potential to be teaching walls.

FINISHES				
WALLS	FLOOR	BASE	CEILING	REMARKS
Paint	Resilient Flooring	Rubber Base	ACT	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:
General illumination recessed linear type lighting, ceiling mounted occupancy sensor and multiple zone dimmer station.

SPECIAL POWER / SERVICE NEEDS:
Floorbox teacher station; smart board and overhead projector power; AV rack.

COMMUNICATION / DATA:
Ceiling mounted intercom speakers; smart board and overhead projector; wireless access point; stand-alone AV system.

SECURITY / ACCESS:
Key lock.

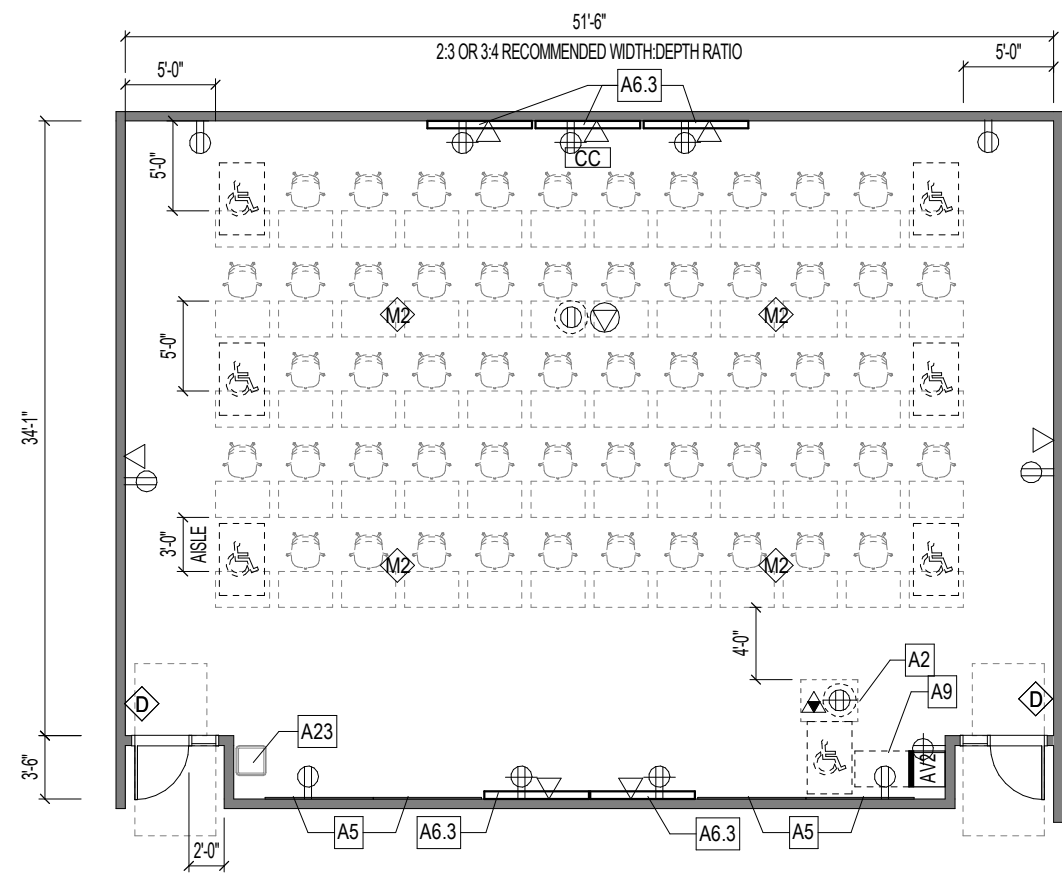
HVAC REQUIREMENTS:
Air-conditioned; thermostat near one door next to lighting control; noise canceling equipment requirement of 25 or less (acoustics); demand control ventilation (CO2 monitor).

PLUMBING FIXTURES / SERVICES:

SPECIAL REQUIREMENTS:

FURNISHING	
EQUIPMENT / FURNITURE	CASEWORK
Clock OFOI, Lectern OFOI, Trash receptacle OFOI, Marker board with tray @ 34" max above finish floor, max 4" projection from the wall. Roller shades.	

LECTURE ROOM - HYFLEX
Scale: 3/32" = 1'-0"



SYMBOL LIST		No.	TEXT
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"	A2	LECTERN, OFOI
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"	A5	MARKER BOARD W/ TRAY @ 34" MAX. A.F.F. MARKER TRAY TO PROJECT 4" MAX. FROM WALL.
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"	A6.3	MONITOR (80" MIN.)
	CEILING MTD DUPLEX RECEPTACLE	A9	AUDIO VISUAL RACK
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE	A23	TRASH RECEPTACLE
	GFCI DUPLEX RECEPTACLE		
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO		
	KEYED SWITCH		
	DIMMER CONTROL		
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	RACK		
	CLASSROOM CAPTURE CAMERA		
	CEILING MOUNTED MICROPHONE		
	JUNCTION BOX		

Room Data Sheet
LECTURE ROOM HYFLEX

AREA
1,900 SF MIN.

CEILING HEIGHT
9'-6" MIN.

PRIMARY FUNCTIONS: 60 Seat lecture room with Hyflex configuration

ARCHITECTURE

SPECIAL REQUIREMENTS:
Provide backing at 3 walls for additional whiteboards and displays for remote students.

FINISHES

WALLS	FLOOR	BASE	CEILING	REMARKS
Paint	Resilient Flooring	Rubber Base	ACT	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:
General illumination recessed linear type lighting; ceiling mounted occupancy sensor and multiple zone dimmer station.

SPECIAL POWER / SERVICE NEEDS:
Floorbox for instructor's station; monitors and overhead camera power; quad at AV rack.

COMMUNICATION / DATA:
Ceiling mounted intercom speakers and microphones; classroom capture cameras for students and instructor; monitors for instruction and for remote students' presence; overhead wireless access point; stand-alone AV system.

SECURITY / ACCESS:
Key lock.

HVAC REQUIREMENTS:
Air-conditioned; thermostat near one door next to lighting control; noise canceling equipment requirement of 25 or less (acoustics); demand control ventilation (CO2 monitor).

PLUMBING FIXTURES / SERVICES:

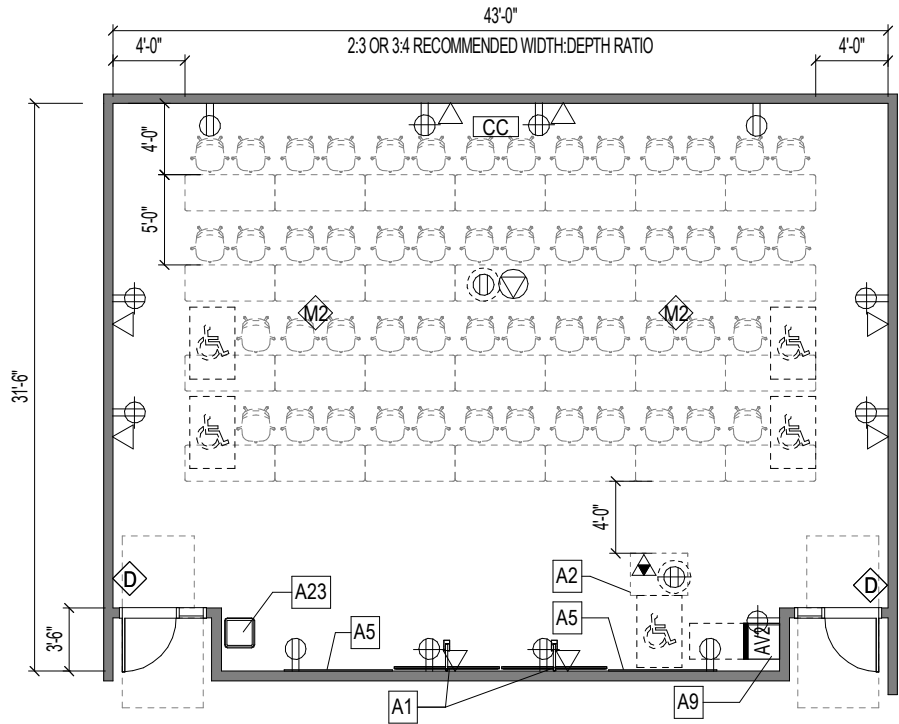
SPECIAL REQUIREMENTS:

FURNISHING

EQUIPMENT / FURNITURE
Clock OFOI, Lectern OFOI, Trash receptacle OFOI, roller shades. Marker boards with tray @ 34" max above finish floor, max 4" projection from the wall.

CASEWORK

CLASSROOM
Scale: 3/32" = 1'-0"



SYMBOL LIST	
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"
	CEILING MTD DUPLEX RECEPTACLE
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE
	GFCI DUPLEX RECEPTACLE
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO
	KEYED SWITCH
	DIMMER CONTROL
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	RACK
	CLASSROOM CAPTURE CAMERA
	CEILING MOUNTED MICROPHONE
	JUNCTION BOX

No.	TEXT
A1	SMART BOARD
A2	LECTERN, OFOI
A5	MARKER BOARD W/ TRAY @ 34" MAX. A.F.F. MARKER TRAY TO PROJECT 4" MAX. FROM WALL.
A9	AUDIO VISUAL RACK
A23	TRASH RECEPTACLE

Room Data Sheet
CLASSROOM

AREA
1,320 SF MIN.

CEILING HEIGHT
9'-6" MIN.

PRIMARY FUNCTIONS: 28 Seat classroom

ARCHITECTURE

SPECIAL REQUIREMENTS:
Provide backing at walls with potential to be teaching walls.

FINISHES				
WALLS	FLOOR	BASE	CEILING	REMARKS
Paint	Resilient Flooring	Rubber Base	ACT	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:
General illumination recessed linear type fixtures, ceiling mounted occupancy sensor and multiple zone dimmer station.

SPECIAL POWER / SERVICE NEEDS:
Floorbox for teacher station; smart board and overhead projector power; quad at AV rack

COMMUNICATION / DATA:
Ceiling mounted intercom speakers; smart board and overhead projector; wireless access point; stand-alone AV system.

SECURITY / ACCESS:
Key lock.

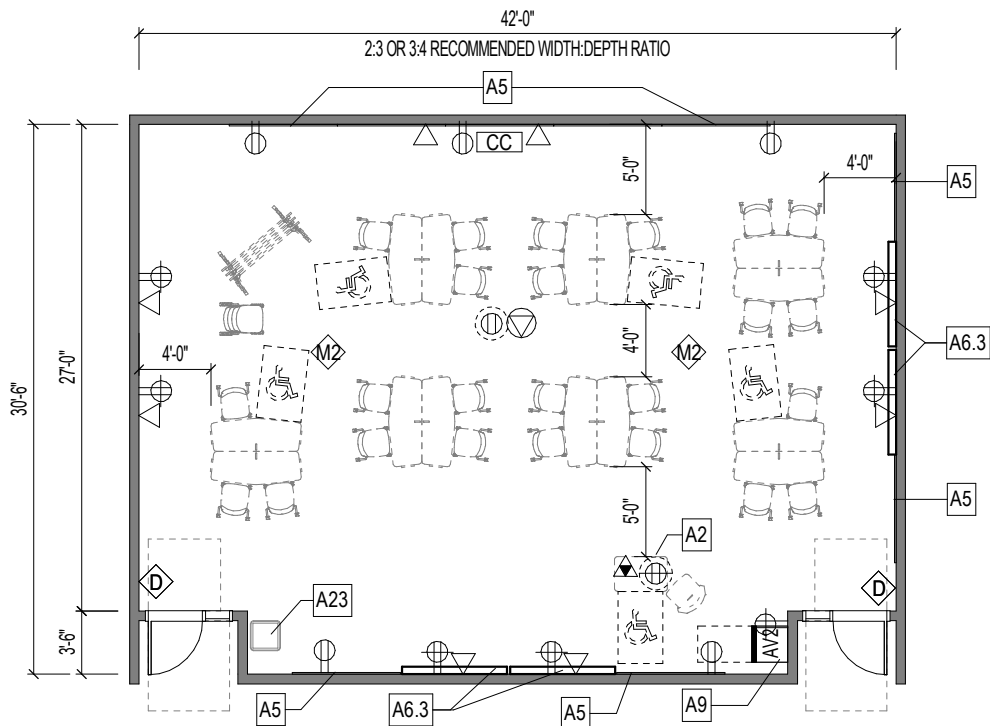
HVAC REQUIREMENTS:
Air-conditioned; thermostat near one door next to lighting control; noise canceling requirement of 25 or less (acoustics); demand control ventilation (CO2 monitor).

PLUMBING FIXTURES / SERVICES:

SPECIAL REQUIREMENTS:

FURNISHING	
EQUIPMENT / FURNITURE	CASEWORK
Clock OFOI, Lectern OFOI, Trash receptacle OFOI, Marker board with tray @ 34" MAX. A.F.F. Marker tray to project 4" MAX. from the wall, Roller shades.	

CLASSROOM - HYFLEX
 Scale: 3/32" = 1'-0"



SYMBOL LIST	
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"
	CEILING MTD DUPLEX RECEPTACLE
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE
	GFCI DUPLEX RECEPTACLE
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO
	KEYED SWITCH
	DIMMER CONTROL
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	RACK
	CLASSROOM CAPTURE CAMERA
	CEILING MOUNTED MICROPHONE
	JUNCTION BOX

No.	TEXT
A2	LECTERN, OFOI
A5	MARKER BOARD W/ TRAY @ 34" MAX. A.F.F. MARKER TRAY TO PROJECT 4" MAX. FROM WALL.
A6.3	MONITOR (80" MIN.)
A9	AUDIO VISUAL RACK
A23	TRASH RECEPTACLE

Room Data Sheet
CLASSROOM HYFLEX

AREA
 1,200 SF MIN.

CEILING HEIGHT
 9'-6" MIN.

PRIMARY FUNCTIONS: 28 Seat classroom with Hyflex configuration

ARCHITECTURE

SPECIAL REQUIREMENTS:
 Provide backing at 3 walls for additional whiteboards and displays for remote students.

FINISHES				
WALLS	FLOOR	BASE	CEILING	REMARKS
Paint	Resilient Flooring	Rubber Base	ACT	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:
 General illumination recessed linear type fixtures; ceiling mounted occupancy sensor and multiple zone dimmer station.

SPECIAL POWER / SERVICE NEEDS:
 Floorbox for instructor's station; monitors and overhead camera power; quad at AV rack.

COMMUNICATION / DATA:
 Ceiling mounted intercom speakers and microphones; classroom capture cameras for students and instructor; monitors for instruction and for remote students' presence; overhead wireless access point; stand-alone AV system.

SECURITY / ACCESS:
 Key lock.

HVAC REQUIREMENTS:
 Air-conditioned; thermostat near one door next to lighting control; noise canceling requirement of 25 or less (acoustics); demand control ventilation (CO2 monitor).

PLUMBING FIXTURES / SERVICES:

SPECIAL REQUIREMENTS:

FURNISHING	CASEWORK
EQUIPMENT / FURNITURE Clock OFOI, Lectern OFOI, Trash receptacle OFOI, roller shades. Marker boards with tray @ 34" max above finish floor, max 4" projection from the wall.	

Scale: $3/32'' = 1'-0''$

This architectural floor plan depicts a classroom layout. The room is 48'-0" wide and 23'-6" deep. Seating is arranged in three rows of 10 chairs each, with a 4'-0" aisle at the front, a 5'-0" aisle on the left, and a 6'-0" aisle on the right. Two exits are marked with doors and exit symbols. Various equipment and furniture are labeled: A23 (a small table), A5 (a long table), A1 (a small table), A9 (a small table), and AV2 (a small table). A diamond-shaped symbol labeled 'D' is located near the bottom left exit. The plan also shows a teacher's desk area at the front with a 4'-0" aisle. The room is divided into sections by dashed lines, and there are several circular symbols representing lights or vents.

	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"
	CEILING MTD DUPLEX RECEPTACLE
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE
	GFCI DUPLEX RECEPTACLE
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO
	KEYED SWITCH
	DIMMER CONTROL
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	RACK
	CLASSROOM CAPTURE CAMERA
	CEILING MOUNTED MICROPHONE
	JUNCTION BOX

No.	TEXT
A1	SMART BOARD
A5	MARKER BOARD W/ TRAY @ 34" MAX. A.F.F. MARKER TRAY TO PROJECT 4" MAX. FROM WALL.
A9	AUDIO VISUAL RACK
A23	TRASH RECEPTACLE

AREA
1,255 SF MIN.

CEILING HEIGHT
9'-6" MIN.

PRIMARY FUNCTIONS: 30 Seat computer laboratory

SPECIAL REQUIREMENTS:

WALLS	FLOOR	BASE	CEILING	REMARKS
Paint	Resilient Flooring	Rubber Base	ACT	

LIGHTING REQUIREMENTS:

General illumination recessed linear type fixtures, ceiling mount occupancy sensor and multiple zone dimmer station.

SPECIAL POWER / SERVICE NEEDS:

Floorbox for teacher station; smart board or monitors and overhead projector power; quad at AV rack. Isolated grounding for all computer labs.

COMMUNICATION / DATA:

Ceiling mounted intercom speakers; smart board or monitors and overhead projector; wireless access point; stand-alone AV system.

SECURITY / ACCESS:

Key lock.

HVAC REQUIREMENTS:

Air-conditioned; thermostat near one door next to lighting control; noise canceling requirement of 30 or less (acoustics); demand control ventilation (CO2 monitor); supplemental 24/7 cooling.

PLUMBING FIXTURES / SERVICES:

SPECIAL REQUIREMENTS:

EQUIPMENT / FURNITURE

Clock OFOI, Lectern OFOI, Trash receptacle OFOI, Marker board with tray @ 34" MAX. A.F.F. Marker tray to project 4" MAX. from the wall, Monitors, Roller shades.

CASEWORK

1.2.2 Administrative Spaces

The administrative space design standards provide guidelines for conference rooms, private, and shared office spaces. All administrative spaces are designed to foster an inviting, inclusive atmosphere that is accessible, sustainable, and equipped with the required functional technologies. Fenestration is omitted to allow design flexibility, but daylighting strategies for administrative spaces should incorporate sustainable practices.

The standards for the conference rooms indicate the level of technology required in the various sized conference rooms. The conference rooms can be organized with private offices, shared offices and utilized in other areas of the building where needed.

The space standards for offices help guide the allocation of office types for the various staff and their associated titles. The private offices are designated based on hierarchy and requirements for confidentiality regarding sensitive communications when providing counselling. The arrangement of the private offices into groupings or suits is not included as not to limit design opportunities. The offices should be arranged around a secondary circulation path and should avoid direct access from the main corridor.



The shared offices guidelines are designed to be flexible; the arrangement shown is only a diagram. The number of desks will be program specific and the layout should be modified as needed to accommodate the required number of desks. The shared offices provide additional resources for the staff by supplementing the shared space with access to an adjoining conference room. Utilize the conference rooms standards. Integrate a break area into the shared office space by providing a semi-open area with a kitchenette. Provide a proportionate waiting area with controlled access into the shared offices. Fenestrations should be equipped with roller shades at a minimum and utilize architectural shading devices and light shelves where applicable to the design.

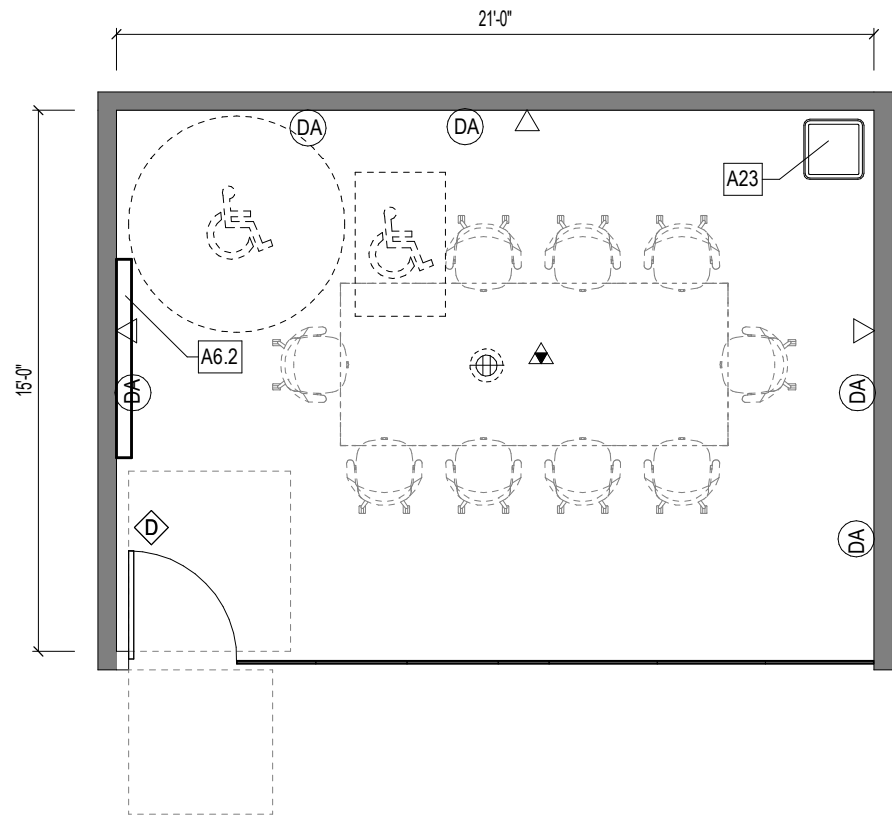
Avoid thresholds and uneven transition from the corridors into the rooms. These transitions pose difficulties for the autonomous scrubbers utilized by the maintenance staff.

All walls should provide additional backing for future deployment of marker boards, tackable surfaces or screens if they are not provided as part of the design.

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CONFERENCE ROOM - LARGE

Scale: 3/16" = 1'-0"



SYMBOL LIST		No.	TEXT
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"	A6.2	MONITOR (70" MIN.)
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"	A23	TRASH RECEPTACLE
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"		
	CEILING MTD DUPLEX RECEPTACLE		
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE		
	GFCI DUPLEX RECEPTACLE		
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO		
	KEYED SWITCH		
	DIMMER CONTROL		
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	RACK		
	CLASSROOM CAPTURE CAMERA		
	CEILING MOUNTED MICROPHONE		
	JUNCTION BOX		

Room Data Sheet

LARGE CONFERENCE ROOM

AREA
320 SF MIN.

CEILING HEIGHT
9'-0" MIN.

PRIMARY FUNCTIONS: 10 Seat large conference room

ARCHITECTURE

SPECIAL REQUIREMENTS:

FINISHES				
WALLS	FLOOR	BASE	CEILING	REMARKS
Paint	Resilient Flooring	Rubber Base	ACT	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:

Linear pendant fixture over conference table, downlights around perimeter; occupancy sensor, multiple zone dimmer station.

SPECIAL POWER / SERVICE NEEDS:

Wall mounted monitor; floorbox at center table; controlled receptacles.

COMMUNICATION / DATA:

Recessed intercom speakers; conference room speaker telephone; wall mounted monitor connected to floorbox at center table.

SECURITY / ACCESS:

Key lock.

HVAC REQUIREMENTS:

Air-conditioned; thermostat near door by lighting control; noise canceling requirement of 25 or less (acoustics); demand control ventilation (CO2 monitor).

PLUMBING FIXTURES / SERVICES:

SPECIAL REQUIREMENTS:

FURNISHING

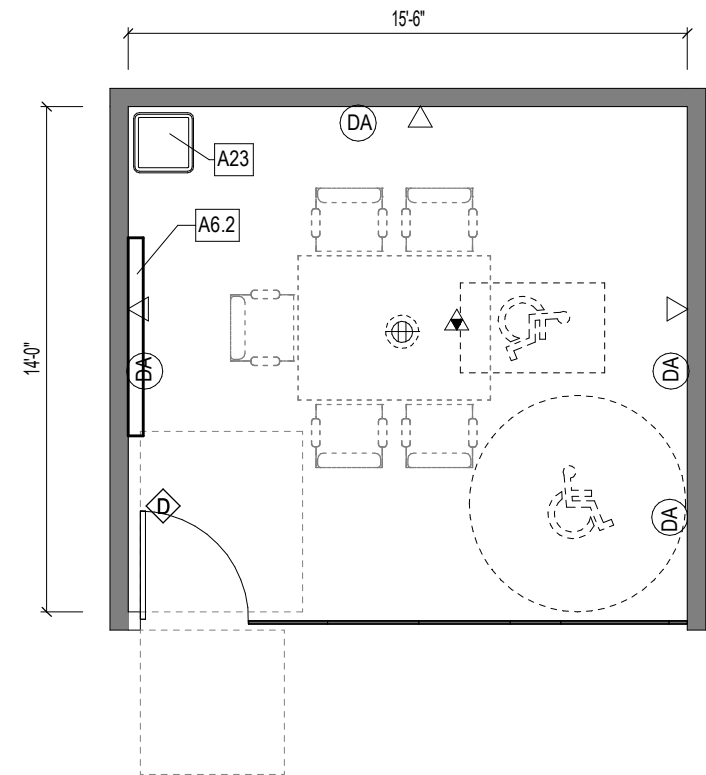
EQUIPMENT / FURNITURE

Clock OFOI, Trash receptacle OFOI, Marker board with tray @ 34" MAX. A.F.F. Marker tray to project 4" MAX. from the wall, 70" Monitor, Roller shades.

CASEWORK

CONFERENCE ROOM - MEDIUM

Scale: 3/16" = 1'-0"



SYMBOL LIST

	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"
	CEILING MTD DUPLEX RECEPTACLE
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE
	GFCI DUPLEX RECEPTACLE
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO
	KEYED SWITCH
	DIMMER CONTROL
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	RACK
	CLASSROOM CAPTURE CAMERA
	CEILING MOUNTED MICROPHONE
	JUNCTION BOX

No.	TEXT
A6.2	MONITOR (70" MIN.)
A23	TRASH RECEPTACLE

Room Data Sheet

MEDIUM CONFERENCE ROOM

AREA
220 SF MIN.

CEILING HEIGHT
9'-0" MIN.

PRIMARY FUNCTIONS: 6 Seat medium conference room

ARCHITECTURE

SPECIAL REQUIREMENTS:

FINISHES				
WALLS	FLOOR	BASE	CEILING	REMARKS
Paint	Resilient Flooring	Rubber Base	ACT	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:

Linear pendant fixture over conference table, downlights around perimeter; occupancy sensor, multiple zone dimmer station.

SPECIAL POWER / SERVICE NEEDS:

Wall mounted monitor; floorbox at center table; controlled receptacles.

COMMUNICATION / DATA:

Recessed intercom speakers; conference room speaker telephone; wall mounted monitor connected to floorbox at center table.

SECURITY / ACCESS:

Key lock.

HVAC REQUIREMENTS:

Air-conditioned; thermostat near door by lighting control; noise canceling requirement of 25 or less (acoustics); demand control ventilation (CO2 monitor).

PLUMBING FIXTURES / SERVICES:

SPECIAL REQUIREMENTS:

FURNISHING

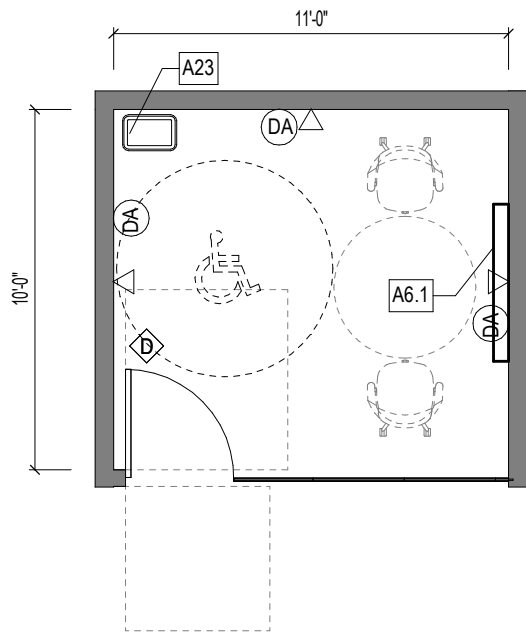
EQUIPMENT / FURNITURE

Clock OFOI, Trash receptacle OFOI, Marker board with tray @ 34" MAX. A.F.F. Marker tray to project 4" MAX. from the wall, 70" Monitor, Roller shades.

CASEWORK

CONFERENCE ROOM - SMALL

Scale: 3/16" = 1'-0"



SYMBOL LIST	
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"
	CEILING MTD DUPLEX RECEPTACLE
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE
	GFCI DUPLEX RECEPTACLE
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO
	KEYED SWITCH
	DIMMER CONTROL
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	RACK
	CLASSROOM CAPTURE CAMERA
	CEILING MOUNTED MICROPHONE
	JUNCTION BOX

No.	TEXT
A6.1	MONITOR (50" MIN.)
A23	TRASH RECEPTACLE

Room Data Sheet

SMALL CONFERENCE ROOM

AREA

110 SF MIN.

CEILING HEIGHT

9'-0" MIN.

PRIMARY FUNCTIONS: 2-3 Seat small conference room

ARCHITECTURE

SPECIAL REQUIREMENTS:

FINISHES				
WALLS	FLOOR	BASE	CEILING	REMARKS
Paint	Resilient Flooring	Rubber Base	ACT	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:

Troffer LED fixture; occupancy sensor, dimmer station.

SPECIAL POWER / SERVICE NEEDS:

Wall mounted monitor; controlled receptacles.

COMMUNICATION / DATA:

Speaker telephone; wall mounted monitor.

SECURITY / ACCESS:

Key lock.

HVAC REQUIREMENTS:

Air-conditioned; dedicated thermostat; noise canceling requirement of 30 or less (acoustics).

PLUMBING FIXTURES / SERVICES:

SPECIAL REQUIREMENTS:

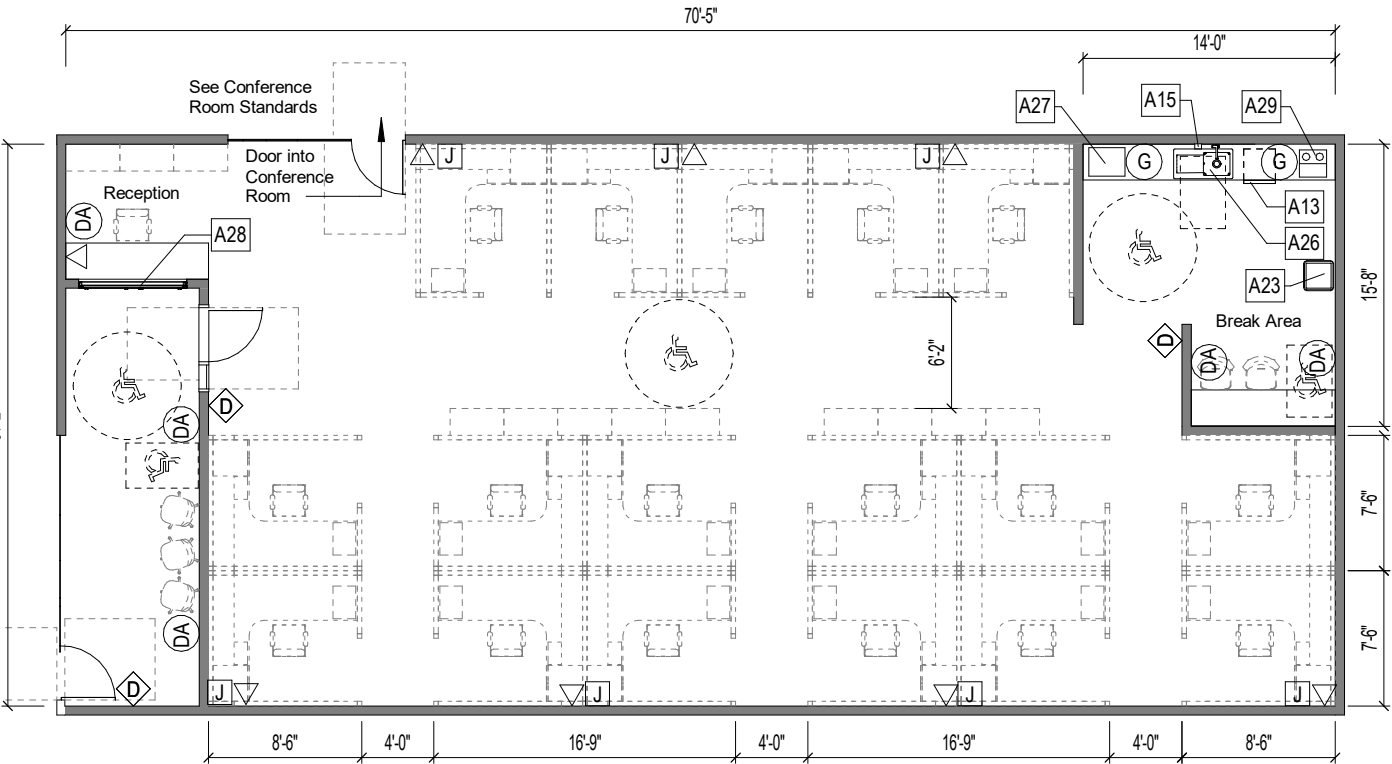
FURNISHING

EQUIPMENT / FURNITURE

Clock OFOI, Trash receptacle OFOI, Marker board with tray @ 34" MAX. A.F.F. Marker tray to project 4" MAX. from the wall, 50" Monitor, Roller shades.

CASEWORK

SHARED / OPEN OFFICES
 Scale: 3/32" = 1'-0"



SYMBOL LIST		No.	TEXT
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"	A13	UNDERCOUNTER REFRIGERATOR
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"	A15	SOAP DISPENSERS
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"	A23	TRASH RECEPTACLE
	CEILING MTD DUPLEX RECEPTACLE	A26	SINK
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE	A27	MICROWAVE
	GFCI DUPLEX RECEPTACLE	A28	TRANSACTION WINDOW
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO	A29	COFFEE MAKER
	KEYED SWITCH		
	DIMMER CONTROL		
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	RACK		
	CLASSROOM CAPTURE CAMERA		
	CEILING MOUNTED MICROPHONE		
	JUNCTION BOX		

Room Data Sheet
 SHARED / OPEN OFFICES

AREA
 2,200 SF MIN.

CEILING HEIGHT
 9'-0" MIN.

PRIMARY FUNCTIONS: Associate Dean, Associate Professor, Professor, Instructor Open Offices. With integrated break area and access to adjacent conference room.

ARCHITECTURE

SPECIAL REQUIREMENTS:
 Provide adjacent to a Conference Room. Provide a Break area with a Kitchenette. Provide Transaction window at Reception area. Room size and proportion should be designed per project to accommodate the number of desks required.

FINISHES				
WALLS	FLOOR	BASE	CEILING	REMARKS
Paint	Resilient Flooring	Rubber Base	ACT	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:
 Troffer LED fixtures; occupancy sensor, dimmer control.

SPECIAL POWER / SERVICE NEEDS:
 Power whips into electrified furniture; controlled receptacles throughout space, USB C outlets at workstations.

COMMUNICATION / DATA:
 Recessed intercom speakers; Data whips into electrified furniture; wireless access point.

SECURITY / ACCESS:
 Key lock.

HVAC REQUIREMENTS:
 Air-conditioned; thermostat near main entry; noise canceling requirement of 30 (acoustics).

PLUMBING FIXTURES / SERVICES:
 Kitchen Sink.

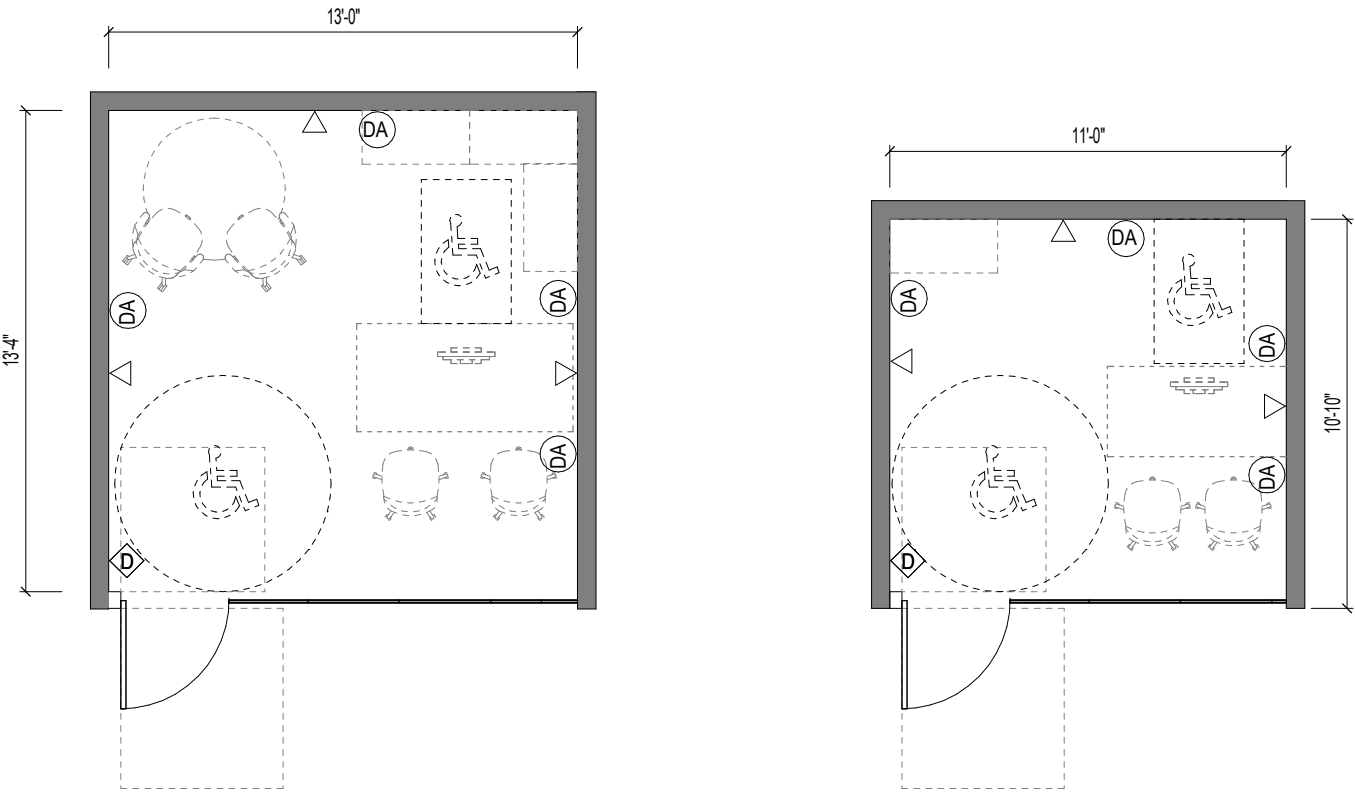
SPECIAL REQUIREMENTS:

FURNISHING

EQUIPMENT / FURNITURE	CASEWORK
Clock OFOI, Trash receptacle OFOI, Roller shades. Microwave OFOI, Coffee maker OFOI, Filing cabinets OFOI, Undercounter refrigerator.	Solid Surface Countertop; Casework at Break area.

PRIVATE OFFICES

Scale: 3/16" = 1'-0"



SYMBOL LIST	
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"
	CEILING MTD DUPLEX RECEPTACLE
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE
	GFCI DUPLEX RECEPTACLE
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO
	KEYED SWITCH
	DIMMER CONTROL
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	RACK
	CLASSROOM CAPTURE CAMERA
	CEILING MOUNTED MICROPHONE
	JUNCTION BOX

No.	TEXT

Room Data Sheet

PRIVATE OFFICE

AREA

110 SF -- 175 SF.

CEILING HEIGHT

9'-0" MIN.

PRIMARY FUNCTIONS: Director, President, Vice President, Counselor, Advisor Private Offices

ARCHITECTURE

SPECIAL REQUIREMENTS:

FINISHES				
WALLS	FLOOR	BASE	CEILING	REMARKS
Paint	Resilient Flooring	Rubber Base	ACT	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:

Troffer LED fixtures; occupancy sensor, dimmer control.

SPECIAL POWER / SERVICE NEEDS:

Controlled receptacle on each available wall, USB C outlets at workstation.

COMMUNICATION / DATA:

Data at desk.

SECURITY / ACCESS:

Key lock.

HVAC REQUIREMENTS:

Air-conditioned; dedicated thermostat; noise canceling of 30 or less (acoustics).

PLUMBING FIXTURES / SERVICES:

SPECIAL REQUIREMENTS:

FURNISHING

EQUIPMENT / FURNITURE

Clock OFOI, Trash receptacle OFOI, Roller shades.

CASEWORK

1.2.3 Support Spaces

The Supportive spaces design standards are established to ensure safety and equal accessibility for everyone. The restroom layouts are diagrams and do not account for project specific fixture counts. Utilize the code to determine the minimum number of fixture types.

The entrance design for the multi-stall restrooms should account for visibility into the rooms and take into consideration design tools to mitigate sightlines into the restrooms as part of the design. The design should also consider sightlines provided by other reflective surfaces.

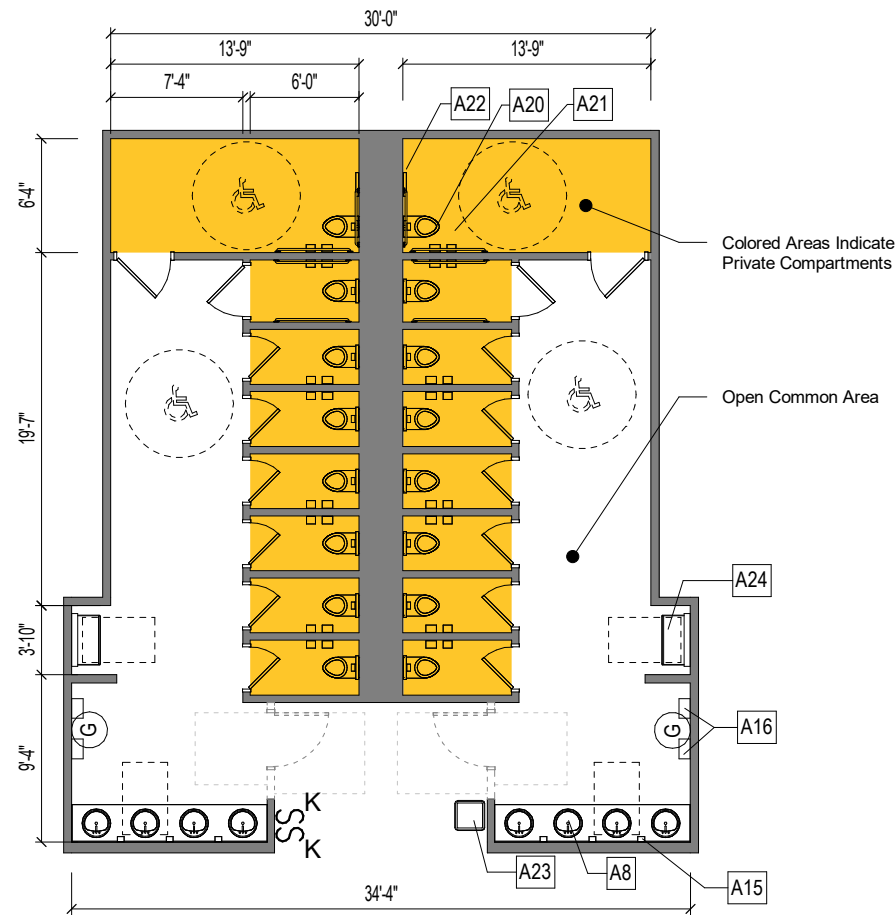
The restrooms should be designed with construction tolerances incorporated into the dimensions. Durability and maintenance are critical considerations for these spaces and special considerations related to the finishes are included in their associated room data sheets, with supplemental information provided in the relative specification sections.



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ALL-GENDER MULTI-STALL RESTROOMS

Scale: 3/32" = 1'-0"



SYMBOL LIST		No.	TEXT
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"	A8	LAVATORY
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"	A15	SOAP DISPENSERS
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"	A16	AIR DRYER
	CEILING MTD DUPLEX RECEPTACLE	A20	SANITARY NAPKIN DISPOSAL
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE	A21	TOILET PAPER DISPENSER
	GFCI DUPLEX RECEPTACLE	A22	TOILET SEAT COVER DISPENSER
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO	A23	TRASH RECEPTACLE
	KEYED SWITCH	A24	BABY CHANGING STATION
	DIMMER CONTROL		
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	RACK		
	CLASSROOM CAPTURE CAMERA		
	CEILING MOUNTED MICROPHONE		
	JUNCTION BOX		

Room Data Sheet
ALL-GENDER MULTI-STALL
RESTROOMS

AREA
1,120 SF MIN.

CEILING HEIGHT
9'-0" MIN.

PRIMARY FUNCTIONS: All gender multi-stall restrooms.

ARCHITECTURE

SPECIAL REQUIREMENTS:

Full-height walls and door at each of the private compartments.
Dashed walls and doors indicate conversion from All-Gender Restrooms into Gendered Men's & Women's restrooms by separating the Open Common Areas with walls and doors.

FINISHES

WALLS	FLOOR	BASE	CEILING	REMARKS
Tile	Tile	Tile Cove	Gypsum	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:

Linear LED fixtures along wet at sink, downlight in each stall and supplemental downlights; dual technology occupancy sensor, keyed switches.

SPECIAL POWER / SERVICE NEEDS:

Duplex GFCI outlet near sink, hand dryer.

COMMUNICATION / DATA:

SECURITY / ACCESS:

HVAC REQUIREMENTS:

Air-conditioned; (1) thermostat for all spaces; exhaust fan with min. 75cfm per toilet or 2cfm/sq (more stringent).

PLUMBING FIXTURES / SERVICES:

Sink, Toilet, Sanitary Dispenser and Sanitary Disposal, floor drains with accessible stations, hose-bib; cleanouts (accessible).

SPECIAL REQUIREMENTS:

FURNISHING

EQUIPMENT / FURNITURE

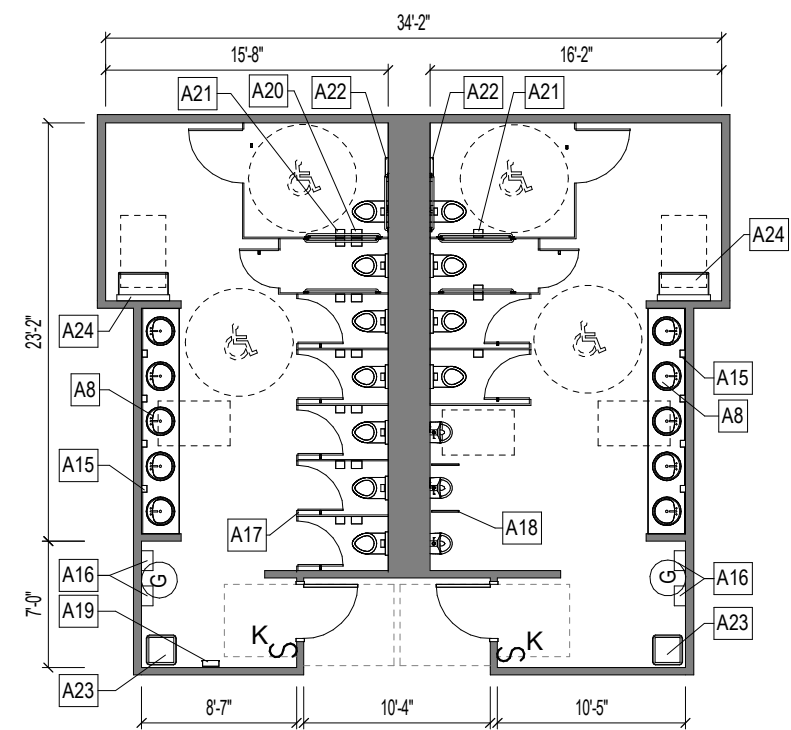
Soap Dispensers, Air Hand Dryer, Grab bars, Coat hook, Sanitary napkin dispenser, Sanitary napkin disposal, Toilet paper dispenser, Toilet seat cover dispenser, Mirror, Baby changing station, Trash receptacle OFOI.

CASEWORK

Solid surface counter tops.

MULTI-STALL RESTROOMS

Scale: 3/32" = 1'-0"



SYMBOL LIST	
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"
	CEILING MTD DUPLEX RECEPTACLE
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE
	GFCI DUPLEX RECEPTACLE
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO
	KEYED SWITCH
	DIMMER CONTROL
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	RACK
	CLASSROOM CAPTURE CAMERA
	CEILING MOUNTED MICROPHONE
	JUNCTION BOX

No.	TEXT
A8	LAVATORY
A15	SOAP DISPENSERS
A16	AIR DRYER
A17	TOILET PARTITIONS
A18	URINAL SCREEN
A19	SANITARY NAPKIN DISPENSER
A20	SANITARY NAPKIN DISPOSAL
A21	TOILET PAPER DISPENSER
A22	TOILET SEAT COVER DISPENSER
A23	TRASH RECEPTACLE
A24	BABY CHANGING STATION

Room Data Sheet

MULTI-STALL RESTROOMS

AREA
900 SF

CEILING HEIGHT
9'-0" MIN.

PRIMARY FUNCTIONS: Gendered men's and women's multi-stall restrooms

ARCHITECTURE

SPECIAL REQUIREMENTS:

FINISHES				
WALLS	FLOOR	BASE	CEILING	REMARKS
Tile	Tile	Tile Cove	Gypsum	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:
Linear LED fixtures along wet walls; dual technology occupancy sensor, keyed switch.

SPECIAL POWER / SERVICE NEEDS:
Duplex GFCI outlet at sink, hand dryer.

COMMUNICATION / DATA:

SECURITY / ACCESS:

HVAC REQUIREMENTS:
Air-conditioned; (1) thermostat covering both restrooms; exhaust fan with min. 75cfm per urinal/toilet or 2cfm/sq (more stringent).

PLUMBING FIXTURES / SERVICES:
Sink, Toilet, Sanitary Dispenser and Sanitary Disposal, floor drain with accessible stations, hose-bib; cleanouts (accessible).

SPECIAL REQUIREMENTS:

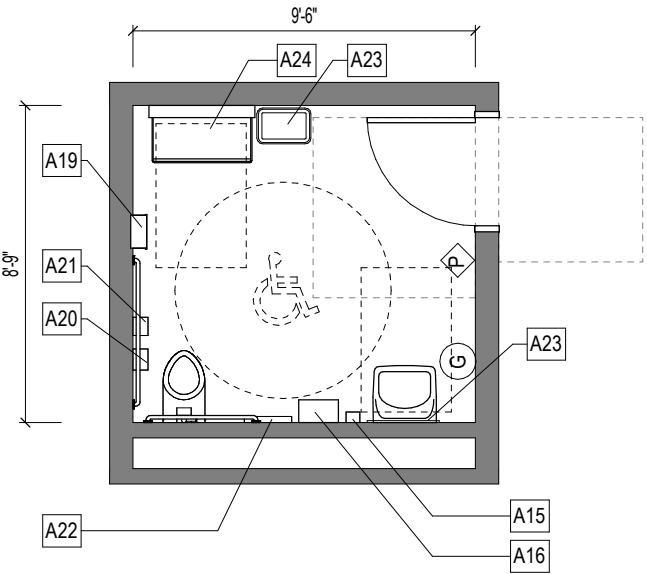
FURNISHING

EQUIPMENT / FURNITURE
Soap dispensers, Air hand dryer, Grab bars, Toilet partitions, Urinal screens (Men's), Coat hook, Sanitary napkin dispenser, Sanitary napkin disposal, Toilet paper dispenser, Toilet seat cover dispenser, Mirror, Baby changing station, Trash receptacle OFOI.

CASEWORK
Solid surface counter tops.

PRIVATE RESTROOM

Scale: 3/16" = 1'-0"



SYMBOL LIST	
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"
	CEILING MTD DUPLEX RECEPTACLE
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE
	GFCI DUPLEX RECEPTACLE
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO
	KEYED SWITCH
	DIMMER CONTROL
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	RACK
	CLASSROOM CAPTURE CAMERA
	CEILING MOUNTED MICROPHONE
	JUNCTION BOX

No.	TEXT
A15	SOAP DISPENSERS
A16	AIR DRYER
A19	SANITARY NAPKIN DISPENSER
A20	SANITARY NAPKIN DISPOSAL
A21	TOILET PAPER DISPENSER
A22	TOILET SEAT COVER DISPENSER
A23	TRASH RECEPTACLE
A24	BABY CHANGING STATION

Room Data Sheet

PRIVATE RESTROOM

AREA

85 SF MIN.

CEILING HEIGHT

9'-0" MIN.

PRIMARY FUNCTIONS: All gender single occupant private restroom

ARCHITECTURE

SPECIAL REQUIREMENTS:

FINISHES

WALLS	FLOOR	BASE	CEILING	REMARKS
Tile	Tile	Tile Cove	Gypsum	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:

Linear LED fixture along wet wall; wall mounted occupancy sensor with override button.

SPECIAL POWER / SERVICE NEEDS:

Duplex GFCI outlet above sink, hand dryer.

COMMUNICATION / DATA:

SECURITY / ACCESS:

Key lock.

HVAC REQUIREMENTS:

Air-conditioned, exhaust fan with switch control; minimum 75cfm for each restroom.

PLUMBING FIXTURES / SERVICES:

Sink, toilet, accessible fixtures at accessible restroom, floor drain, hose-bib, cleanouts (accessible).

SPECIAL REQUIREMENTS:

FURNISHING

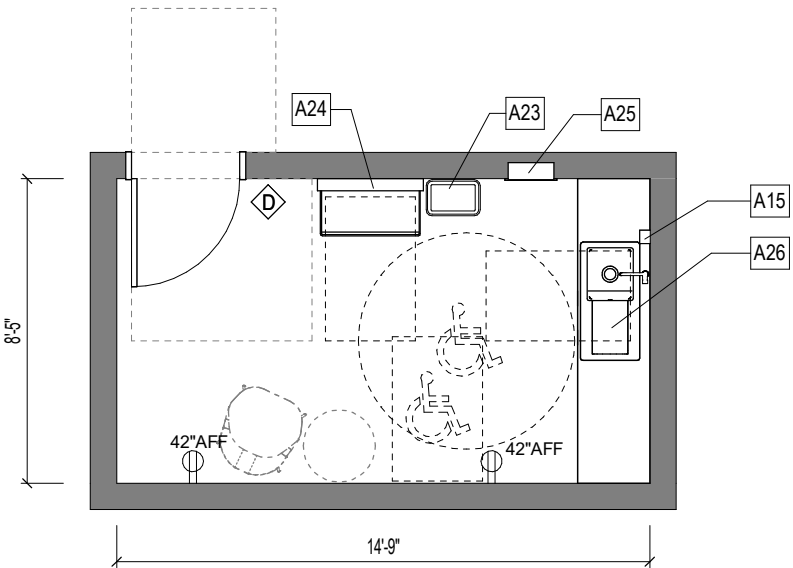
EQUIPMENT / FURNITURE

Soap Dispensers, Air dryer, Grab bars, Coat hooks, Sanitary napkin dispenser, Sanitary napkin disposal, Toilet paper dispenser, Toilet seat cover dispenser, Mirror, Baby changing station.

CASEWORK

LACTATION ROOM

Scale: 3/16" = 1'-0"



SYMBOL LIST	
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"
	CEILING MTD DUPLEX RECEPTACLE
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE
	GFCI DUPLEX RECEPTACLE
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO
	KEYED SWITCH
	DIMMER CONTROL
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	RACK
	CLASSROOM CAPTURE CAMERA
	CEILING MOUNTED MICROPHONE
	JUNCTION BOX

No.	TEXT
A15	SOAP DISPENSERS
A23	TRASH RECEPTACLE
A24	BABY CHANGING STATION
A25	PAPER TOWEL DISPENSER WITH WASTE RECEPTACLE
A26	SINK

Room Data Sheet

LACTATION ROOM

AREA
125 SF MIN.

CEILING HEIGHT
9'-0" MIN.

PRIMARY FUNCTIONS: Single occupant lactation room

ARCHITECTURE

SPECIAL REQUIREMENTS:

FINISHES				
WALLS	FLOOR	BASE	CEILING	REMARKS
Paint	Resilient Flooring	Rubber Base	ACT	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:

Recessed troffer LED fixtures; occupancy sensor, dimmer control.

SPECIAL POWER / SERVICE NEEDS:

Power near the chair.

COMMUNICATION / DATA:

SECURITY / ACCESS:

Card Reader with internal lock. Private access.

HVAC REQUIREMENTS:

Air-conditioned, dedicated thermostat; noise canceling requirement of 30 or less (acoustics); exhaust fan with switch.

PLUMBING FIXTURES / SERVICES:

Hand sink.

SPECIAL REQUIREMENTS:

FURNISHING

EQUIPMENT / FURNITURE

Clock OFOI, Undercounter trash receptacle. Lactation chair, Table, Baby changing station, Paper towel dispenser.

CASEWORK

Solid surface counter tops

1.2.4 Back of House Spaces

The intent of the Back of House space standards is to provide the minimum requirements for the functionality of the spaces and the building. While individual designs may require additional capacity to meet specific programmatic requirements, these spaces should not be an afterthought.

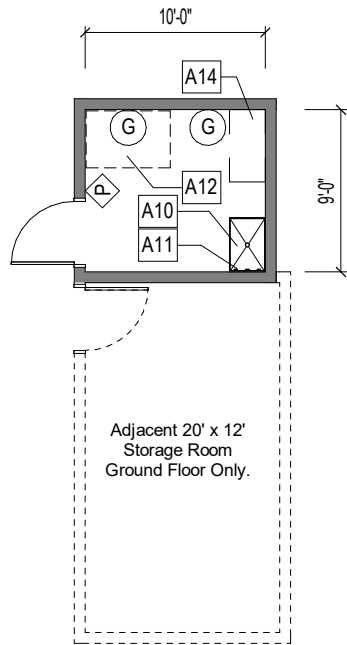
Janitor’s closets house an autonomous scrubber on each level and require a dedicated space for storage and charging. The ground floor janitor’s closet needs to be adjacent to a 20’x 12’ storage room to accommodate the supplies needed for the building. Storage spaces remain critical to the building’s functionality.

The MDF and IDFs are spaces that need accessible clearances. They should not be cramped spaces inserted into leftover areas but instead laid out thoughtfully to distribute data throughout the levels. The MDF and IDFs are to be their own dedicated rooms, that are not used for storage, electrical, custodial or other purposes. Provide redundant mechanical systems are in the MDF and IDFs spaces.

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JANITOR’S CLOSET

Scale: 3/32” = 1’-0”



SYMBOL LIST	
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"
	CEILING MTD DUPLEX RECEPTACLE
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE
	GFCI DUPLEX RECEPTACLE
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO
	KEYED SWITCH
	DIMMER CONTROL
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	RACK
	CLASSROOM CAPTURE CAMERA
	CEILING MOUNTED MICROPHONE
	JUNCTION BOX

No.	TEXT
A10	MOP SINK
A11	MOP RACK
A12	AUTONOMOUS FLOOR SCRUBBER
A14	STORAGE / SHELVING UNIT

Room Data Sheet

JANITOR’S CLOSET

AREA

90 SF MIN.

CEILING HEIGHT

N/A

PRIMARY FUNCTIONS: Janitor’s Closet

ARCHITECTURE

SPECIAL REQUIREMENTS:

Minimum 42” wide door. Provide wainscot around Floor Mop Sink. Janitor closets are required on each floor. At the ground floor room provide an additional 20ft x12 ft Storage room adjacent to the Janitor’s Closet.

FINISHES

WALLS	FLOOR	BASE	CEILING	REMARKS
Tile / Paint	Sealed Concrete	Tile	No Ceiling	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:

Wall mounted general illuminate with wire guard, wall mounted occupancy sensor with override switch.

SPECIAL POWER / SERVICE NEEDS:

GFCI receptacles for charging equipment.

COMMUNICATION / DATA:

SECURITY / ACCESS:

Key lock.

HVAC REQUIREMENTS:

Exhaust fan min. 75cfm with local switch.

PLUMBING FIXTURES / SERVICES:

Faucet Floor Mop Sink (low profile), Floor Drain.

SPECIAL REQUIREMENTS:

FURNISHING

EQUIPMENT / FURNITURE

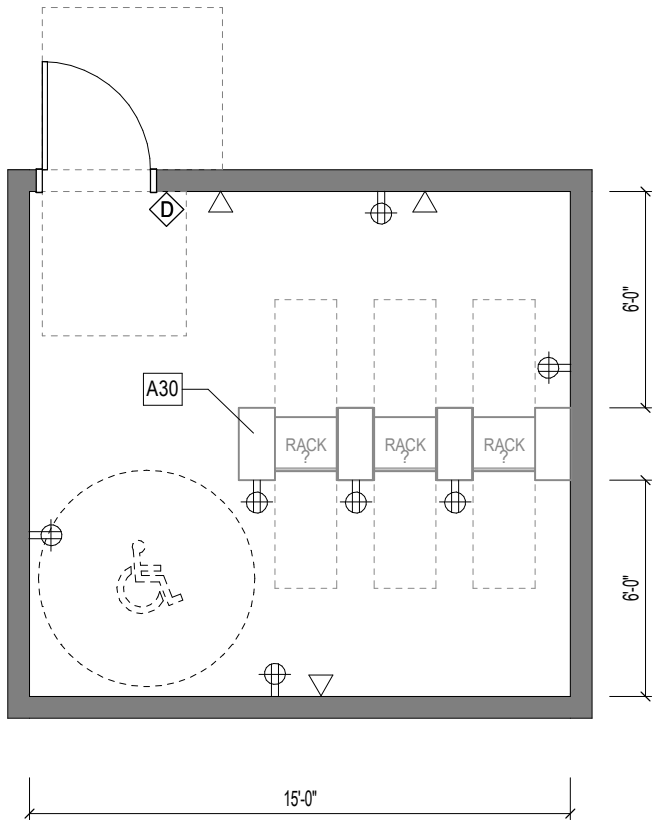
Mop Rack, Storage area for Autonomous Floor Scrubber. Cleaning Supply Storage.

CASEWORK

Storage for all paper products and equipment needed on the ground floor of the building.

MDF

Scale: 3/16" = 1'-0"



SYMBOL LIST		No.	TEXT
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"	A30	RACK
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"		
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"		
	CEILING MTD DUPLEX RECEPTACLE		
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE		
	GFCI DUPLEX RECEPTACLE		
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO		
	KEYED SWITCH		
	DIMMER CONTROL		
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS		
	RACK		
	CLASSROOM CAPTURE CAMERA		
	CEILING MOUNTED MICROPHONE		
	JUNCTION BOX		

Room Data Sheet		AREA	CEILING HEIGHT
MDF		210 SF MIN.	N/A

PRIMARY FUNCTIONS: Main distribution frame (MDF)

ARCHITECTURE

SPECIAL REQUIREMENTS:

2 hour rated room.

FINISHES				
WALLS	FLOOR	BASE	CEILING	REMARKS
Paint	Sealed Concrete	Rubber Base	No Ceiling	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:

Pendant 4ft linear LED fixture on each side of rack; ceiling mounted occupancy sensor, dimmer switch.

SPECIAL POWER / SERVICE NEEDS:

4-gang outlets (20amp dedicated circuit) around perimeter of room; quad NEMA 5-20R and L6-30R receptacles at each rack on ladder runaway; ground bus bar 6" above ladder rack.

COMMUNICATION / DATA:

(3) 19" x 7"H 2-post racks; wall phone, (2) data outlets; ladder rack; rack mounted PDU and UPS.

SECURITY / ACCESS:

Key lock, card reader.

HVAC REQUIREMENTS:

Provide ceiling mount AC unit for 24/7 conditioning with thermostat near door. If minimum humidity is required, provide integrated humidistat. Provide a backup inline exhaust fan ducted outside the room for redundant cooling tied to own thermostat. Exhaust fan should be sized for at least 400 cfm of capacity.

PLUMBING FIXTURES / SERVICES:

Double-Interlock Pre-Action System.

SPECIAL REQUIREMENTS:

Walls: Fire-rated plywood backboard panels with 3/4" thickness.

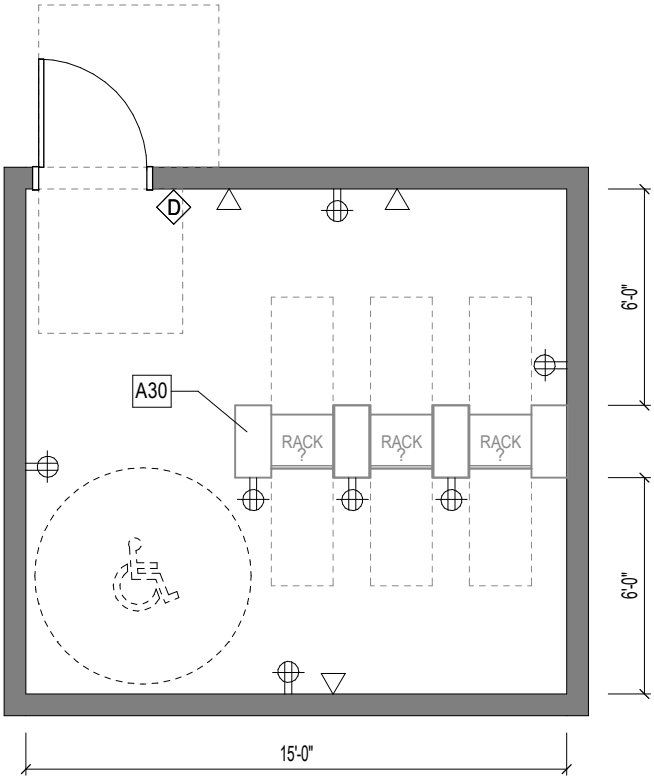
Doors: lockable, with rated louvers to match door finish / roof ventilation.

FURNISHING

EQUIPMENT / FURNITURE	CASEWORK

IDF

Scale: 3/16" = 1'-0"



SYMBOL LIST	
	WALL MTD DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD DOUBLE DUPLEX RECEPTACLE - MOUNTED AT 18"
	WALL MTD CONTROLLED SPLIT DUPLEX RECEPTACLE - MOUNTED AT 18"
	CEILING MTD DUPLEX RECEPTACLE
	FLOOR MTD DOUBLE DUPLEX RECEPTACLE
	GFCI DUPLEX RECEPTACLE
	WALL MOUNTED OCCUPANCY SENSOR SWITCH COMBO
	KEYED SWITCH
	DIMMER CONTROL
	DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	CEILING MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	FLOOR MTD DATA OUTLET - NUMBER INDICATED QUANTITY OF PORTS
	RACK
	CLASSROOM CAPTURE CAMERA
	CEILING MOUNTED MICROPHONE
	JUNCTION BOX

No.	TEXT
A30	RACK

Room Data Sheet

IDF

AREA

210 SF MIN.

CEILING HEIGHT

N/A

PRIMARY FUNCTIONS: Intermediate distribution frame (IDF)

ARCHITECTURE

SPECIAL REQUIREMENTS:

2 hour rated room.

FINISHES

WALLS	FLOOR	BASE	CEILING	REMARKS
Paint	Sealed Concrete	Rubber Base	No Ceiling	

BUILDING SYSTEMS

LIGHTING REQUIREMENTS:

Pendant 4ft linear LED fixture on each side of rack; ceiling mounted occupancy sensor, dimmer switch.

SPECIAL POWER / SERVICE NEEDS:

4-gang outlets (20amp dedicated circuit) around perimeter of room; quad NEMA 5-20R and L6-30R receptacles at each rack on ladder runaway; ground bus bar 6" above ladder rack.

COMMUNICATION / DATA:

(3) 19" x 7"H 2-post racks; wall phone, (2) data outlets; ladder rack; rack mounted PDU and UPS.

SECURITY / ACCESS:

Key lock, card reader.

HVAC REQUIREMENTS:

Provide ceiling mount AC Unit for 24/7 conditioning with thermostat near door. If minimum humidity is required, provide integrated humidistat. Provide a backup inline exhaust fan ducted outside the room for redundant cooling tied to own thermostat. Exhaust fan should be sized for at least 400 cfm of capacity.

PLUMBING FIXTURES / SERVICES:

Double-Interlock Pre-Action System.

SPECIAL REQUIREMENTS:

Walls: Fire-rated plywood backboard panels with 3/4" thickness.

Doors: lockable, with rated louvers to match door finish.

FURNISHING

EQUIPMENT / FURNITURE

CASEWORK

1.3

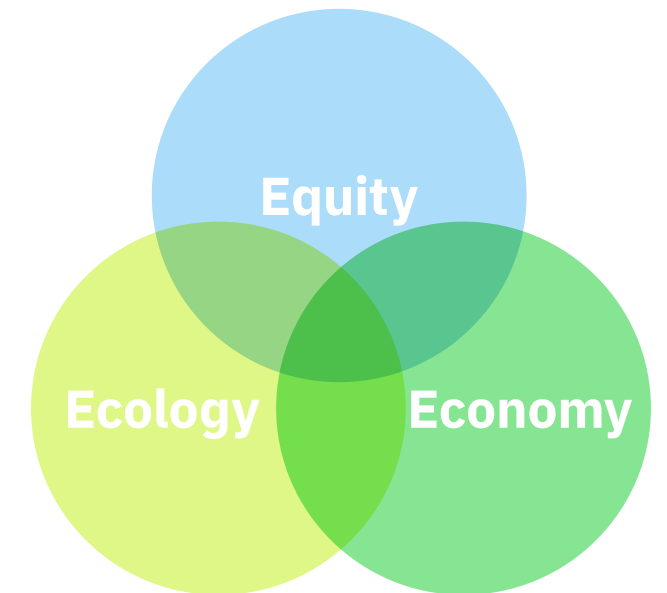
Sustainability Considerations

1.3 Sustainability Considerations

Sustainability is an ethic that seeks balance between the three interconnected pillars of ecology, economy, and social equity.

The intent is to ensure that the earth's natural capital will remain plentiful so that future generations can thrive. The Pasadena Area Community College District is committed to a sustainable and equitable future. This commitment guides curricula, community leadership, services, operations, and facilities. These District design standards incorporate sustainability strategies that align with the following mandates:

- The California Community College Chancellor's Office 2025 Climate Action and Sustainability Goals
- The PCC 2020 Facility Master Plan and 2024 Update, Sustainability
- PACCD Board Resolution No. 799 "Zero Carbon Campus and Vehicle Fleet by December 2030"
- California Code of Regulations Title 24 Part 6 Building Energy Efficiency Standards
- California Code of Regulations Title 24 Part 11 Green Building Standards (CALGreen)

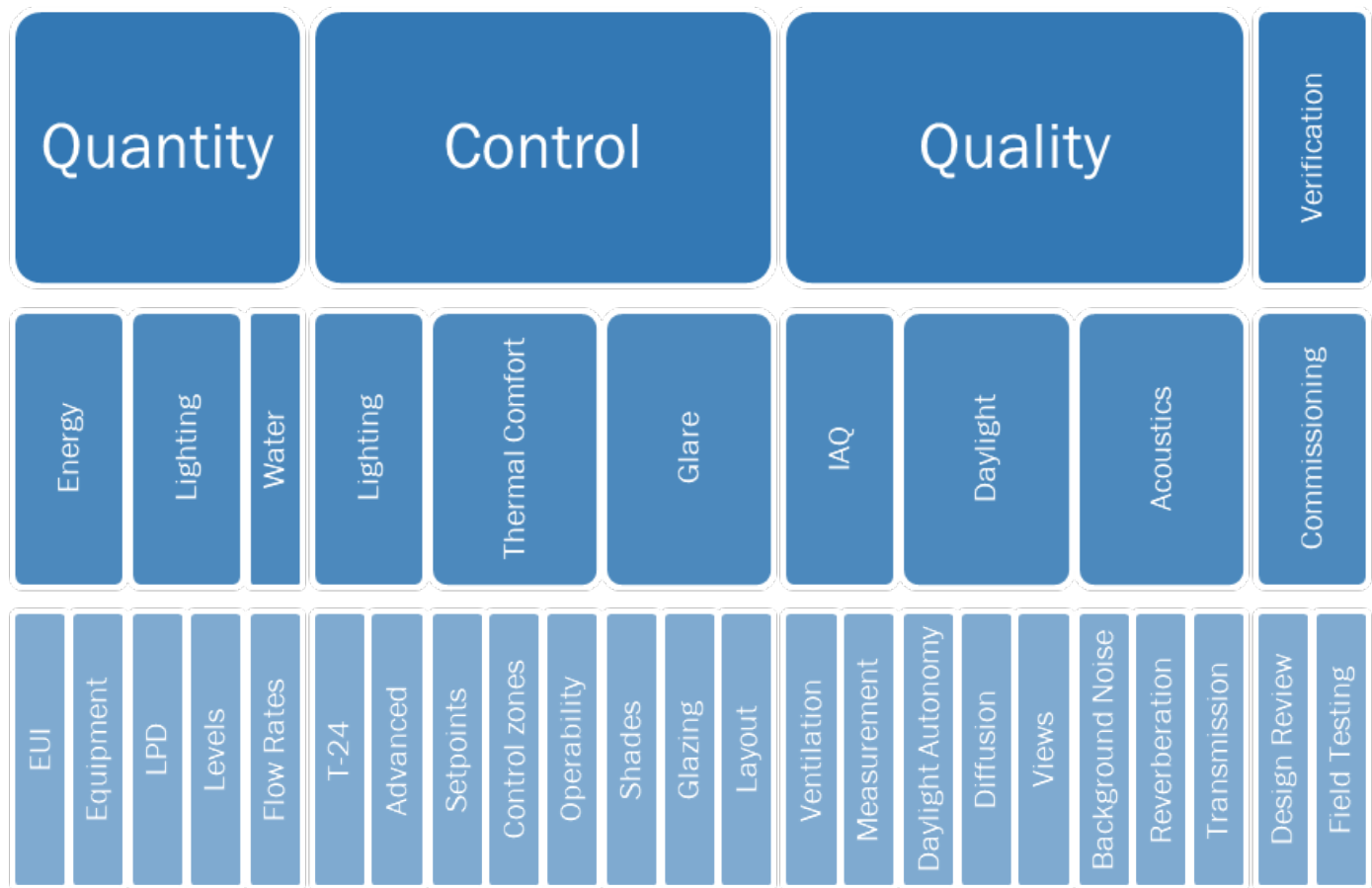


The standards are agnostic regarding third-party rating systems such as LEED, WELL, SITES, Envision, AASHE Stars, and others.

1.3.1 Sustainability in Design Standards

Space Design Standards describe requirements for space planning and systems. There are four primary sustainability requirements addressed here:

- 1. Quantity requirements. These are measurable requirements that describe utility use and demand from building systems.
- 2. Control requirements. These describe the controls and sequences of operation for building systems, including user control, automatic control, and all modes of operation.
- 3. Quality requirements. These are measurable requirements that describe the ways an occupant is affected by the design of the space and its systems.
- 4. Verification requirements. All of the above requirements can be measured and verified through the commissioning process. Include all relevant Space Design Standards in the Owner’s Project Requirements (OPR) document to ensure that they are included in the commissioning scope.



The following pages contain sustainable design standards as they apply to a variety of space types. These standards address quantity, control, and quality requirements. The Standard column represents the minimum performance thresholds that are acceptable. The High column are the desired performance thresholds that shall be evaluated against project constraints such as existing conditions and project budget.

The metrics described in the tables are defined using the following standards:

- **AVERAGE FOOTCANDLE LEVELS:**
These are determined by application. They are defined and measured by the most recent version of the Illuminating Engineering Society (IES) Handbook.
- **COLOR TEMPERATURE:**
The color of a light source, measured in degrees Kelvin. Lower temperatures are considered cool colors; higher temperatures are considered warm colors. Cool colors generally have slightly higher efficiency in terms of watts/lumens, but warm colors are more pleasing to the eye. For LED fixtures, this data is typically provided by the manufacturer. Fixtures are available with variable color temperature, which allows automatic color tuning throughout the day (as in circadian lighting) or manually by a slider control.
- **COLOR RENDERING INDEX (CRI or CIE Ra):**
A measure of the ability of a light source to reveal all colors of an object compared to natural sunlight. Natural sunlight has a CRI of 100. For LED fixtures, this data is typically provided by the manufacturer.
- **UNIFIED GLARE RATING (UGR):**
A measure of potential visual discomfort caused by direct view of a light source by an occupant in a space. This value is calculated by using software modeling and IES fixture data. It is defined in the International Commission on Illumination (CIE) 117-1995, Discomfort Glare in Interior Lighting.
- **SURFACE REFLECTANCE:**
The percentage of visible light that is reflected from a surface. Lighter colors have higher surface reflectance. Spaces with higher reflectance values on interior finishes generally have more diffuse lighting, fewer dark spots, and require lower lighting power densities. These values are provided by many manufacturers of paint, wallcoverings, ceilings, and flooring.
- **SPATIAL DAYLIGHT AUTONOMY (sDA300/50%):**
Describes the regularly occupied floor area that receives at least 300 lux of daylight (approximately 28 footcandles) for at least 50% of the annual occupied period. It is a measure of the usage of daylight in a space in lieu of reliance on electric light. This value is calculated by using software modeling. It is defined by standard IES LM-83-12 Spatial Daylight Autonomy (sDA) and Annual Sunlight Exposure (ASE).
- **ANNUAL SUNLIGHT EXPOSURE (ASE1000,250):**
Describes the regularly occupied floor area that receives more than 1000 lux of daylight (approximately 93 footcandles) for at least 250 hours per year. It is a measure of the potential for glare and overlighting from daylight in a space. This value is calculated by using software modeling. It is defined by standard IES LM-83-12 Spatial Daylight Autonomy (sDA) and Annual Sunlight Exposure (ASE).
- **BACKGROUND NOISE:**
The measurement of noise generated by HVAC systems, measured in dBA. It is measured according to AHRI Standard 885-2008 Procedure for Estimating Occupied Space Sound Levels in the Application of Air Terminals and Air Outlets, Table 15

- **COMPOSITE SOUND TRANSMISSION COEFFICIENT (STCc):** The effectiveness of an assembly in blocking airborne sound transmission. A higher rating indicates greater ability to reduce transmission. A composite STC takes all components of the assembly into account, including perimeter joints, penetrations, doors, and windows. STC is defined by ASTM E413 Classification for Rating Sound Insulation. Field measurements are performed according to ASTM E336 Standard Test Method for Measurement of Airborne Sound Attenuation between Rooms in Buildings.
- **REVERBERATION:** A measurement of the persistence of sound in a space. It is the average length of time for a 500 Hz, 1000 Hz, and 2000 Hz tone to decay by 60 decibels. It is measured according to the procedure described in ASTM E2235-04 Standard Test Method for Determination of Decay Rates for Use in Sound Insulation Test Methods.
- **RED LIST:** A list of “worst in class” substances commonly found in building materials published annually by the International Living Future Institute. These chemicals represent the gravest risk to human health and the environment. The list can be found at <https://living-future.org/red-list/>.
- **DIFFERENTIAL CO2:** The amount of carbon dioxide measured in a space that exceeds outdoor ambient levels. The outdoor ambient level is typically assumed to be 400 parts per million (ppm). If the carbon dioxide levels in a space are measured at 1000 ppm, the differential CO2 level is 600 ppm.

SUSTANABILITY & PERFORMANCE DATA

All Spaces

		HIGH	STANDARD
LIGHTING			
AVERAGE FOOTCANDLE LEVELS (FC)		-	ANSI / IES
QUALITY	COLOR TEMP	Variable	3200K
	CRI	CRI>90	CRI>80
IAQ			
LOW-EMITTING MATERIALS	PAINTS & COATINGS	RED LIST FREE	CALGreen
	ADHESIVES & SEALANTS	RED LIST FREE	CALGreen
	CEILING SYSTEMS	RED LIST FREE	CALGreen
	WALL SYSTEMS	RED LIST FREE	CALGreen
	FLOORING	RED LIST FREE	CALGreen
	COMPOSITE WOOD	RED LIST FREE	CALGreen
VENTILATION RATES		30% Higher than T-24	T-24
DIFFERENTIAL CO2 SETPOINT, MAX		600 ppm	700 ppm

EDUCATIONAL SPACES SUSTAINABILITY DATA

Large Lecture Room, Lecture Room, Lecture Room Hyflex, Classroom, Classroom Hyflex, Computer Laboratory

			HIGH	STANDARD
LIGHTING				
QUALITY	DIRECT/INDIRECT		D/I	D
	UNIFIED GLARE RATING (UGR)		<19	<22
CONTROL	MANUAL	MULTI-SCENE	Y	N
		TASK	N	N
		COLOR TUNING	Y	N
	AUTO	OCCUPANCY/VACANCY	-	T-24
		DAYLIGHT HARVESTING	T24 SECONDARY	T24 PRIMARY
		LEVEL TUNING	Y	N
		COLOR TUNING	Y	N
SURFACE REFLECTANCE	CEILING		85	80
	WALLS		60	55
	WORKSURFACES		45	45

DAYLIGHTING		
Spatial Daylight Autonomy (SDA _{300/50%}), Regularly Occupied Floor Area, MIN.		40%
Annual Sunlight Exposure (ASE _{1000,250}), Regularly Occupied Floor Area, MAX.		10%

ACOUSTICS				
BACKGROUND NOISE, MAX			30 DBA	35 DBA
REVERBERATION, SEC, MAX	ROOM VOLUME, CU FT	< 10,000	0.6	0.8
		10,000≤≥20,000	0.7	0.9
		>20,000	1.0	1.2

THERMAL COMFORT			
HEATING SETPOINT, MAX			72
COOLING SETPOINT, MIN			77
SENSIBLE HEAT LOAD	LIGHTING (W/SF)		-
	COMPUTERS (W/PERSON)		-
	OTHER EQUIPMENT		-

IAQ		
ROOM PRESSURIZATION		-
MONITORING		Y

WATER			
FLOW RATES	SINK, GPM		-
	LAVATORIES, GPM		-
	URINALS, GPF		-
	WATERCLOSETS, GPF		-

ADMINISTRATIVE SPACES SUSTAINABILITY DATA

Large Conference Rooms, Medium Conference Rooms,
Small Conference Rooms

			HIGH	STANDARD
LIGHTING				
QUALITY	DIRECT/INDIRECT		D/I	D
	UNIFIED GLARE RATING (UGR)		<19	<22
CONTROL	MANUAL	MULTI-SCENE	Y	N
		TASK	N	N
		COLOR TUNING	Y	N
	AUTO	OCCUPANCY/VACANCY	-	T-24
		DAYLIGHT HARVESTING	T24 SECONDARY	T24 PRIMARY
		LEVEL TUNING	Y	N
		COLOR TUNING	Y	N
SURFACE REFLECTANCE	CEILING		85	80
	WALLS		60	55
	WORKSURFACES		45	45
DAYLIGHTING				
Spatial Daylight Autonomy (SDA _{300/50%}), Regularly Occupied Floor Area, MIN.			40%	-
Annual Sunlight Exposure (ASE _{1000,250}), Regularly Occupied Floor Area, MAX.			10%	-
ACOUSTICS				
BACKGROUND NOISE, MAX			-	35 DBA
REVERBERATION, SEC, MAX			0.6	0.8
THERMAL COMFORT				
HEATING SETPOINT, MAX			72	78
COOLING SETPOINT, MIN			81	77
SENSIBLE HEAT LOAD	LIGHTING (W/SF)		-	0.75
	COMPUTERS (W/PERSON)		-	60
	OTHER EQUIPMENT		-	-
IAQ				
ROOM PRESSURIZATION			-	NEUTRAL
MONITORING			Y	N
WATER				
FLOW RATES	SINK, GPM		-	-
	LAVATORIES, GPM		-	-
	URINALS, GPF		-	-
	WATERCLOSETS, GPF		-	-

ADMINISTRATIVE SPACES SUSTAINABILITY DATA

Shared / Open Offices

			HIGH	STANDARD
LIGHTING				
QUALITY	DIRECT/INDIRECT		D/I	D
	UNIFIED GLARE RATING (UGR)		<19	<22
CONTROL	MANUAL	MULTI-SCENE	N	N
		TASK	Y	N
		COLOR TUNING	Y	N
	AUTO	OCCUPANCY/VACANCY	-	T-24
		DAYLIGHT HARVESTING	T24 SECONDARY	T24 PRIMARY
		LEVEL TUNING	Y	N
		COLOR TUNING	Y	N
SURFACE REFLECTANCE	CEILING		85	80
	WALLS		60	55
	WORKSURFACES		45	45
DAYLIGHTING				
Spatial Daylight Autonomy (SDA _{300/50%}), Regularly Occupied Floor Area, MIN.			40%	-
Annual Sunlight Exposure (ASE _{1000,250}), Regularly Occupied Floor Area, MAX.			10%	-
ACOUSTICS				
BACKGROUND NOISE, MAX			-	45 DBA
REVERBERATION, SEC, MAX			0.8	1.0
THERMAL COMFORT				
HEATING SETPOINT, MAX			72	78
COOLING SETPOINT, MIN			81	77
SENSIBLE HEAT LOAD	LIGHTING (W/SF)		-	0.6
	COMPUTERS (W/PERSON)		-	100
	OTHER EQUIPMENT		-	-
IAQ				
ROOM PRESSURIZATION			-	NEUTRAL
MONITORING			Y	N
WATER				
FLOW RATES	SINK, GPM		1.2	1.5
	LAVATORIES, GPM		-	-
	URINALS, GPF		-	-
	WATERCLOSETS, GPF		-	-

ADMINISTRATIVE SPACES SUSTAINABILITY DATA

Private Offices

			HIGH	STANDARD
LIGHTING				
QUALITY	DIRECT/INDIRECT		D/I	D
	UNIFIED GLARE RATING (UGR)		<19	<22
CONTROL	MANUAL	MULTI-SCENE	N	N
		TASK	Y	N
		COLOR TUNING	Y	N
	AUTO	OCCUPANCY/VACANCY	-	V
		DAYLIGHT HARVESTING	T24 SECONDARY	T24 PRIMARY
		LEVEL TUNING	Y	N
		COLOR TUNING	Y	N
SURFACE REFLECTANCE	CEILING		85	80
	WALLS		60	55
	WORKSURFACES		45	45
DAYLIGHTING				
Spatial Daylight Autonomy (SDA _{300/50%}), Regularly Occupied Floor Area, MIN.			40%	-
Annual Sunlight Exposure (ASE _{1000,250}), Regularly Occupied Floor Area, MAX.			10%	-
ACOUSTICS				
BACKGROUND NOISE, MAX			-	35 DBA
REVERBERATION, SEC, MAX			0.6	0.8
THERMAL COMFORT				
HEATING SETPOINT, MAX			72	78
COOLING SETPOINT, MIN			81	77
SENSIBLE HEAT LOAD	LIGHTING (W/SF)		-	0.65
	COMPUTERS (W/PERSON)		-	100
	OTHER EQUIPMENT		-	-
IAQ				
ROOM PRESSURIZATION			-	NEUTRAL
MONITORING			N	N
WATER				
FLOW RATES	SINK, GPM		-	-
	LAVATORIES, GPM		-	-
	URINALS, GPF		-	-
	WATERCLOSETS, GPF		-	-

SUPPORT SPACES SUSTAINABILITY DATA

Private Restrooms, Multi-Stall Restrooms, All-Gender Multi-Stall Restrooms

			HIGH	STANDARD
LIGHTING				
QUALITY	DIRECT/INDIRECT		-	D
	UNIFIED GLARE RATING (UGR)		LEED	-
CONTROL	MANUAL	MULTI-SCENE	N	N
		TASK	N	N
		COLOR TUNING	N	N
	AUTO	OCCUPANCY/VACANCY	-	O
		DAYLIGHT HARVESTING	T24 SECONDARY	T24 PRIMARY
		LEVEL TUNING	N	N
		COLOR TUNING	N	N
SURFACE REFLECTANCE	CEILING		-	-
	WALLS		-	-
	WORKSURFACES		-	-
DAYLIGHTING				
Spatial Daylight Autonomy (SDA _{300/50%}), Regularly Occupied Floor Area, MIN.			-	-
Annual Sunlight Exposure (ASE _{1000,250}), Regularly Occupied Floor Area, MAX.			-	-
ACOUSTICS				
BACKGROUND NOISE, MAX			-	-
REVERBERATION, SEC, MAX	ROOM VOLUME, CU FT	< 10,000	-	-
		10,000≤≥20,000	-	-
		>20,000	-	-
THERMAL COMFORT				
HEATING SETPOINT, MAX			-	-
COOLING SETPOINT, MIN			-	-
SENSIBLE HEAT LOAD	LIGHTING (W/SF)		-	0.65
	COMPUTERS (W/PERSON)		-	-
	OTHER EQUIPMENT		-	-
IAQ				
ROOM PRESSURIZATION			-	NEG
MONITORING			N	N
WATER				
FLOW RATES	SINK, GPM		1.2	1.5
	LAVATORIES, GPM		0.35	0.5
	URINALS, GPF		HYBRID	0.125
	WATERCLOSETS, GPF		1.1	1.28

SUPPORT SPACES SUSTAINABILITY DATA

Lactation Rooms

			HIGH	STANDARD
LIGHTING				
QUALITY	DIRECT/INDIRECT		-	I
	UNIFIED GLARE RATING (UGR)		<19	<22
CONTROL	MANUAL	MULTI-SCENE	N	N
		TASK	Y	N
		COLOR TUNING	Y	Y
	AUTO	OCCUPANCY/VACANCY	-	O
		DAYLIGHT HARVESTING	T24 SECONDARY	T24 PRIMARY
		LEVEL TUNING	N	N
		COLOR TUNING	Y	Y
	SURFACE REFLECTANCE	CEILING		-
WALLS		-	-	
WORKSURFACES		-	-	
DAYLIGHTING				
Spatial Daylight Autonomy (SDA _{300/50%}), Regularly Occupied Floor Area, MIN.			-	-
Annual Sunlight Exposure (ASE _{1000,250}), Regularly Occupied Floor Area, MAX.			-	-
ACOUSTICS				
BACKGROUND NOISE, MAX			-	35 dBA
REVERBERATION, SEC, MAX			0.6	0.8
THERMAL COMFORT				
HEATING SETPOINT, MAX			72	78
COOLING SETPOINT, MIN			81	77
SENSIBLE HEAT LOAD	LIGHTING (W/SF)		-	0.55
	COMPUTERS (W/PERSON)		-	60
	OTHER EQUIPMENT		-	-
IAQ				
ROOM PRESSURIZATION			-	NEUTRAL
MONITORING			N	N
WATER				
FLOW RATES	SINK, GPM		1.2	1.5
	LAVATORIES, GPM		-	-
	URINALS, GPF		-	-
	WATERCLOSETS, GPF		-	-

SUPPORT SPACES SUSTAINABILITY DATA

MDF, IDF, Janitor’s Closet

			HIGH	STANDARD
LIGHTING				
Quality	Direct/indirect		-	D
	UNIFIED GLARE RATING (UGR)		-	-
Control	Manual	Multi-scene	N	N
		TASK	N	N
		COLOR TUNING	N	N
	AUTO	OCCUPANCY/VACANCY	-	V
		DAYLIGHT HARVESTING	-	-
		LEVEL TUNING	N	N
		COLOR TUNING	N	N
Surface reflectance	Ceiling		-	-
	WALLS		-	-
	WORKSURFACES		-	-
DAYLIGHTING				
Spatial Daylight Autonomy (SDA _{300/50%}), Regularly Occupied Floor Area, MIN.			-	-
Annual Sunlight Exposure (ASE _{1000,250}), Regularly Occupied Floor Area, MAX.			-	-
ACOUSTICS				
BACKGROUND NOISE, MAX			-	-
REVERBERATION, SEC, MAX	ROOM VOLUME, CU FT	< 10,000	-	-
		10,000≤≥20,000	-	-
		>20,000	-	-
THERMAL COMFORT				
HEATING SETPOINT, MAX			-	-
COOLING SETPOINT, MIN			-	-
SENSIBLE HEAT LOAD	LIGHTING (W/SF)		-	0.4
	COMPUTERS (W/PERSON)		-	-
	OTHER EQUIPMENT		-	-
IAQ				
ROOM PRESSURIZATION			-	NEUTRAL
MONITORING			N	N
WATER				
FLOW RATES	SINK, GPM		1.2	1.5
	LAVATORIES, GPM		-	-
	URINALS, GPF		-	-
	WATERCLOSETS, GPF		-	-

MINIMUM COMPOSITE STC RATINGS BY SPACE ADJACENCIES	Classrooms/Computer Labs	Assembly/Lecture Halls	Shared/Private Offices	Conference Rooms	Lactation Rooms	Restrooms	IDF/MDF/Janitors	Corridors/Circulation
Classrooms/Computer Labs	50	60	45	45	45	53	40	45
Assembly/Lecture Halls	60	60	60	60	60	60	45	50
Shared/Private Offices	45	60	45	45	45	55	40	50
Conference Rooms	45	60	45	50	45	55	40	50
Lactation Rooms	45	60	45	45	45	45	40	40
Restrooms	53	60	55	55	45	45	40	40
IDF/MDF/Janitors	40	45	40	40	40	40	-	40
Corridors/Circulation	45	50	50	50	40	40	40	-

Notes

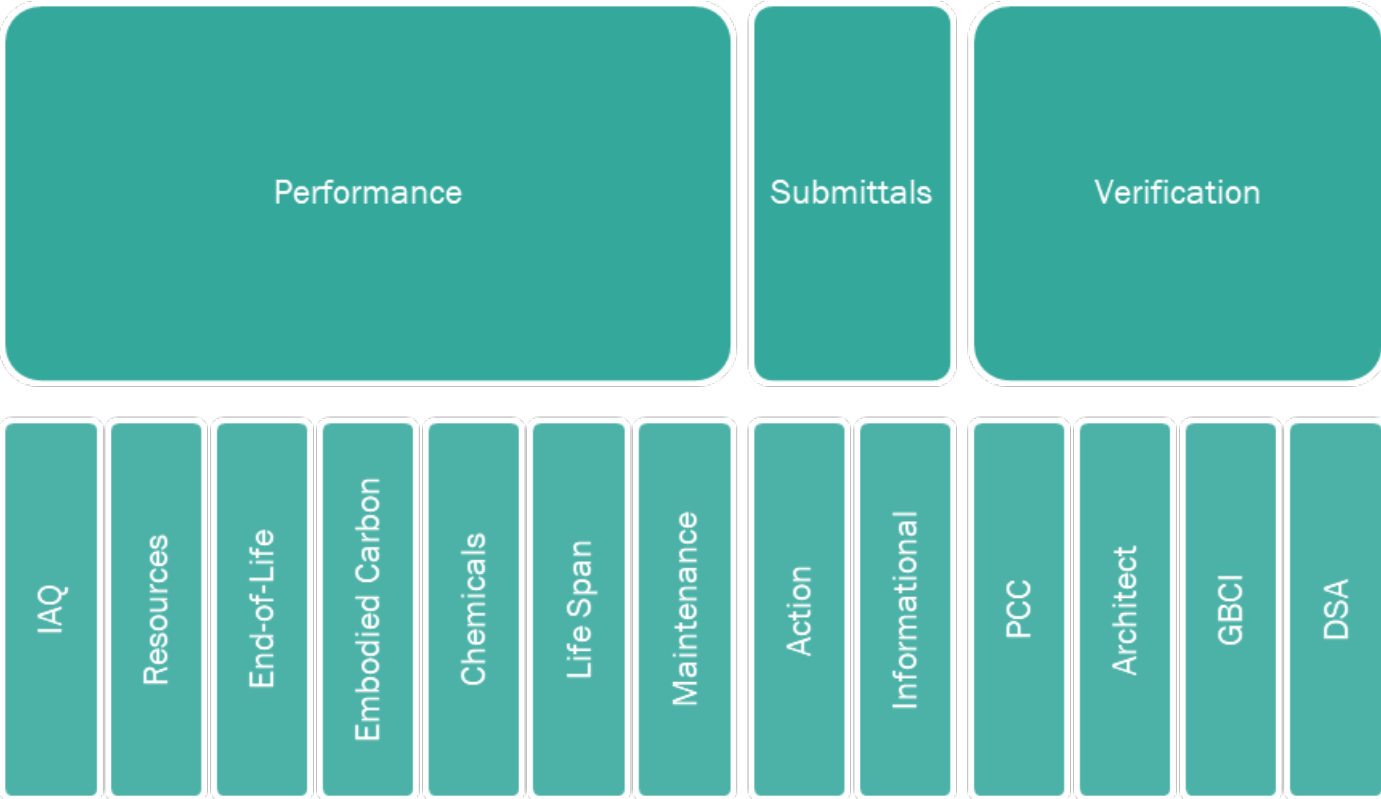
- LEED, WELL, and other green building rating systems may require higher STC ratings.
- STC ratings above shall be composite ratings, accounting for all components of the wall assembly, including interior windows, doors, and penetrations.
- When field verifying, an NIC level within 5 points of the specified STC level may be considered compliant.
- Isolation from structure-borne sound shall be designed according to Section 5.4.3 of ANSI/ASA Standard S12.60-2010/Part 1.



1.3.2 Sustainability in Specifications

Specifications describe requirements for materials, products, and equipment. There are three primary sustainability requirements addressed in specifications:

- 1. PERFORMANCE REQUIREMENTS.**
These describe the various sustainability qualities, certifications, and standards that the product or material must meet.
- 2. SUBMITTAL REQUIREMENTS.**
Prior to procurement of products or materials, reliable documentation must be provided by the Contractor that demonstrates compliance with performance requirements.
- 3. VERIFICATION REQUIREMENTS.**
There are District, State, and/or third-party review (i.e. LEED certification) requirements for the review and verification of sustainability claims in submittals.



1.4

Wayfinding Strategies



1.4 Wayfinding

This section establishes standards for the development and ongoing implementation of a comprehensive wayfinding signage system for Pasadena Area Community College District. A well-designed, flexible system must strive to create a unified and distinct image to reinforce the overall character of PACCD. This family of elements will inform the visitor, while enhancing the campus with visual focal points. The design incorporates the brand identity of PACCD and brand colors that will be seen prominently on signage throughout the campus and provide recognizable landmarks.

The identification of buildings and directions to those buildings is an important part of the wayfinding process. The signage system links path of travel to destination, delivering wayfinding messages in an integrated and seamless manner. The goal is to provide signage elements that are easily readable, consistently implemented and recognizable for visitors, students, and staff alike, whether they travel by foot, bike or vehicle.

The sign types represented here are provided to solve typical wayfinding issues encountered on PACCD campuses. Additional sign types may be needed to address more specific issues, and should be developed following the design intent established herein. Same materials, colors, and sign messaging layouts should be utilized on additional signage to reinforce consistency of the PACCD brand and maintain proper legibility and accessibility across campus facilities.

Strategy

The wayfinding system begins with the identity for the college, defining the boundaries of the campus and campus entries with strong and recognizable PACCD branding. Vehicular traffic should be directed immediately to parking lots and drop-off zones. From parking lots, campus directories and pedestrian directionals located at key decision making points should effectively guide students and visitors into and throughout the campus. Additionally, all buildings shall be identified along with key departments housed within each building typology.

The wayfinding signage family consists of the following key elements:

- Campus Identification
- Parking lot identification
- Building identification
- Vehicular Directional
- Pedestrian Directional
- Campus Directories
- Information signage
- Placemaking

Campus, Parking and Building identification should be clear, concise and reflect the brand image of the college. At each major entry into the campus, signage should clearly identify the entrance announcing arrival. Vehicular directional signage should direct to key parking areas. Parking lots should be clearly identified, implementing an alpha/numeric system for easy cognition.

Once out of the vehicle, users should be presented with pedestrian orientation and directional devices at key decision making points, orienting and directing to buildings and destinations on the campus.

Building entrances should be clearly identified implementing campus standards for naming and identity. Larger identification signage shall be located in highly visible areas for easy interpretation. Upon approach to specific entrances, key departments and amenities should be clearly identified.

All signage components are to be designed to accommodate future change, making the system flexible, easily managed with a cost effective design approach that clearly brands the college.

To enhance the sense of place on campus, and encourage student use of unused areas, PACCD branded placemaking elements should be implemented at key gathering spaces to enhance the campus experience and create a branded sense of place for students, visitors, and staff.

Nomenclature

Consistent nomenclature should be used across all campus destinations. A standardized building naming strategy, implemented at building entries as well as on wayfinding directional signage, aids the wayfinding process with consistency for better recognition.

The design standards provided herein establish a standard for sign structure and use of color and typographic elements. Standards for signage nomenclature, messaging, and use of symbols must be developed in coordination with the District during signage implementation for each project.

Programming

Consistent signage placement is a key component to effective wayfinding. Signs should be located to be highly visible and accessible by users throughout the campus and building interiors. Although site conditions vary, strong attention should be placed on locating signs in a consistent manner across these conditions to maintain recognizability, accessibility for all, and for better wayfinding cognition.

Standards for signage programming and specific signage placement must be developed in coordination with the District during signage implementation for each project.

Typography and Color Palette

These fonts have been selected for their legibility and longevity in signage use. These fonts are representative of the PACCD brand and no other fonts should be used for signage.

Avenir has been selected for use on wayfinding signage. This sans-serif font is modern, easily legible, accessible, and can be used in a variety of weights to establish messaging hierarchy.

Optima has been selected for use on building naming only. This is consistent with existing building naming on campus and reflects the campus architecture and PACCD logo font.

Color Palette

A color palette has been established for the wayfinding system and aligns with the PACCD brand palette. Paint manufacturer shall be an acrylic polyurethane system or approved equivalent. All painted elements shall have a satin finish and contain UV inhibitors.

Logo & Symbols

A standard set of symbols has been established to create consistency and recognizable messaging across signage elements. Internationally recognized symbols should be used in all instances.

Typography & Branding

Avenir Next Medium

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

Avenir Next Condensed Medium

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

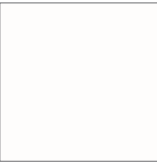
Avenir Next Bold

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

Optima

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

Color

					
COLOR A	COLOR B	COLOR C	COLOR D	COLOR E	COLOR F
TO MATCH: PMS 201	TO MATCH: PMS 123	TO MATCH: Bright White	TO MATCH: Typical Architectural Facade	TO MATCH: 90% Black	TO MATCH: Bright Silver

Symbols



Primary Campus Monument

Colorado Campus

Purpose

Clearly identify primary arrival point to the campus along major roadways or at campus corner. Display the PCC logo prominently to create a consistent identity system at the major entrance into the campus. Incorporate an electronic message board to provide important up-to-date campus information and marketing messages to the public, updateable from a central entity on campus.

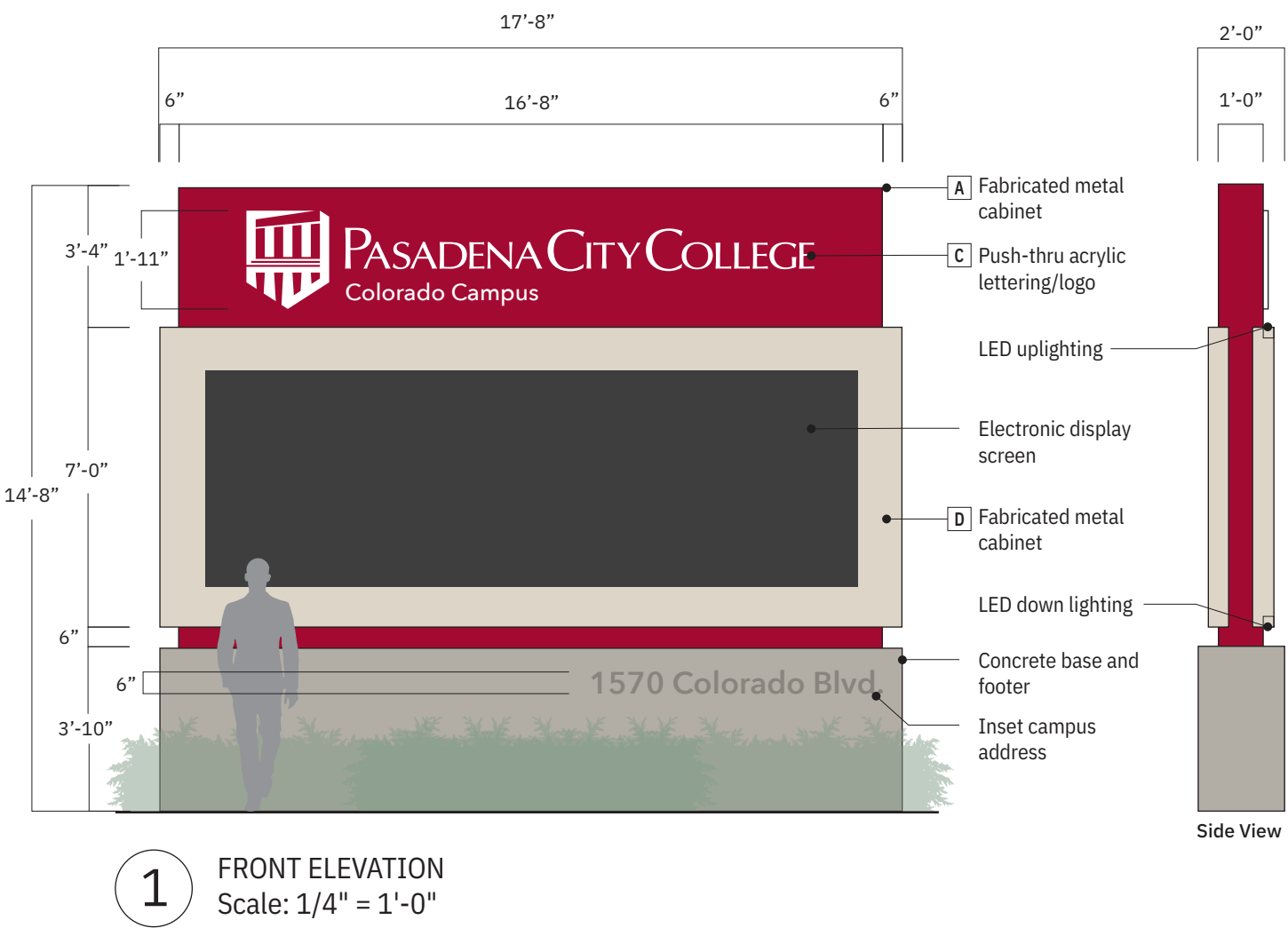
Placement

Sign shall be located along major roadways at a minimum of 6ft from the curb. Oriented to face oncoming traffic and maximize sight lines. Single location per campus at the primary arrival point. Landscaping to be implemented surrounding the sign to anchor the sign on the site. Landscaping should be selected so as not to obscure any sign messaging over time and to allow access to the sign for maintenance.

Construction

Sign is single-sided and constructed of aluminum materials painted to match specifications. Concrete base and footer to anchor the metal sign cabinet. Exposed concrete to be colored to match adjacent building color palette, with smooth finish and anti-graffiti coating. Footer to be engineered for proper anchoring of the cabinet.

Sign shall be illuminated with LED interior lighting as required for even illumination. Logo and lettering shall be cut push thru acrylic lettering to illuminate the face. Electronic message board to be sized appropriately, with optimal resolution for adjacent traffic and dimmable display to control light emittance. Electrical cut-off switches placed to the back of the sign away from public sight lines.



Secondary Campus Monument

Colorado Campus

Purpose

Clearly identify secondary arrival points to the campus along major roadways or at campus corners. Display the PCC logo prominently to create a consistent identity system along the campus perimeter and at secondary entries into the campus.

Placement

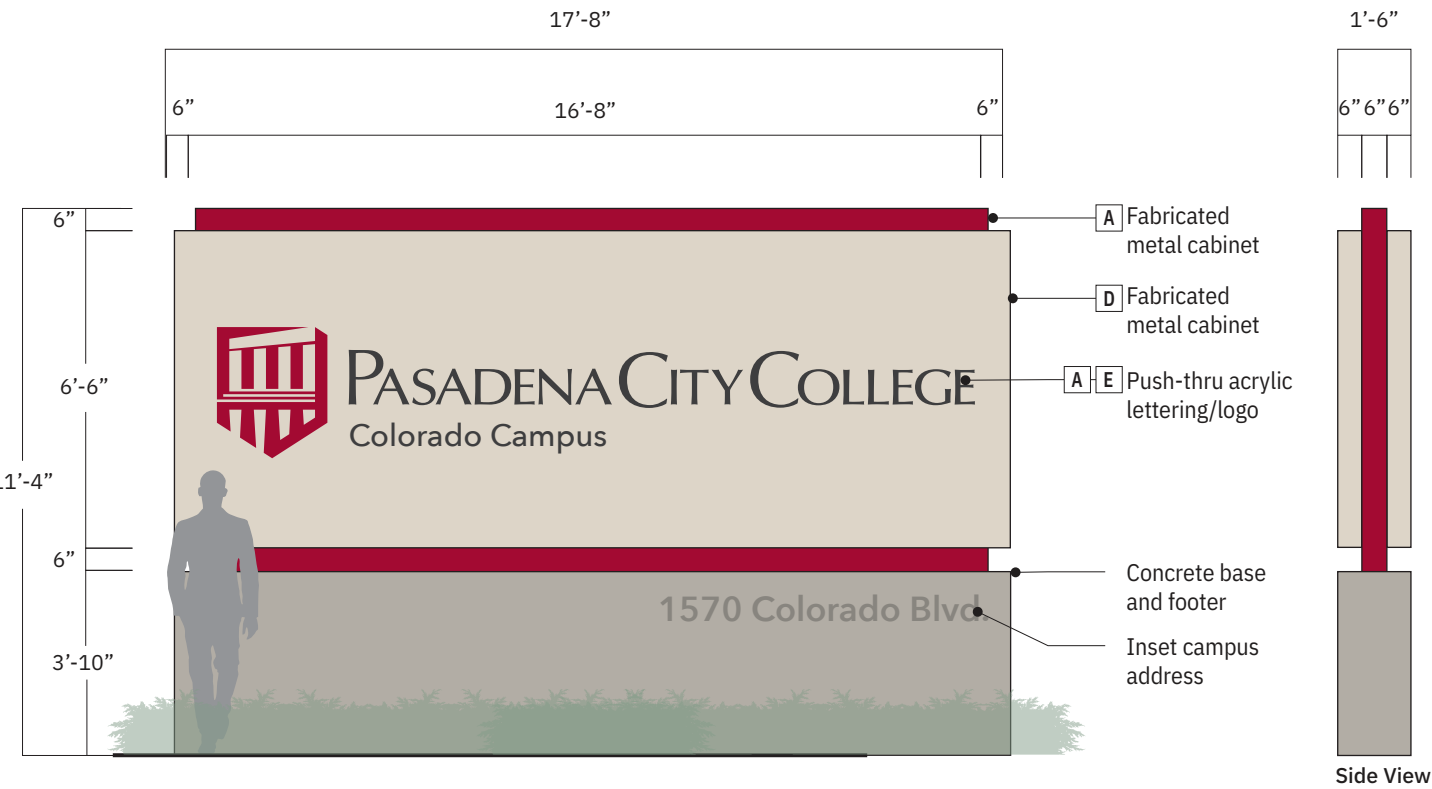
Sign shall be located along major roadways at a minimum of 6ft from the curb. Oriented to face oncoming traffic and maximize sight lines. Multiple locations per campus along the campus perimeter at campus corners facing major intersections.

Landscaping to be implemented surrounding the sign to anchor the sign on the site. Landscaping should be selected so as not to obscure any sign messaging over time and to allow access to the sign for maintenance.

Construction

Sign is single-sided and constructed of aluminum materials painted to match specifications. Concrete base and footer to anchor the metal sign cabinet. Exposed concrete to be colored to match adjacent building color palette, with smooth finish and anti-graffiti coating. Footer to be engineered for proper anchoring of the cabinet.

Sign shall be illuminated with LED interior lighting as required for even illumination. Logo and lettering shall be cut push thru acrylic lettering to illuminate the face. Electrical cut-off switches placed to the back of the sign away from public sight lines.



1 FRONT ELEVATION
Scale: 1/4" = 1'-0"

Satellite Campus Monument

Satellite Campuses

Purpose

Clearly identify arrival points to satellite campuses along major roadways or at campus corners. Display the PACCD logo and satellite campus name prominently to create a consistent identity system along the campus perimeter and at secondary entries.

Placement

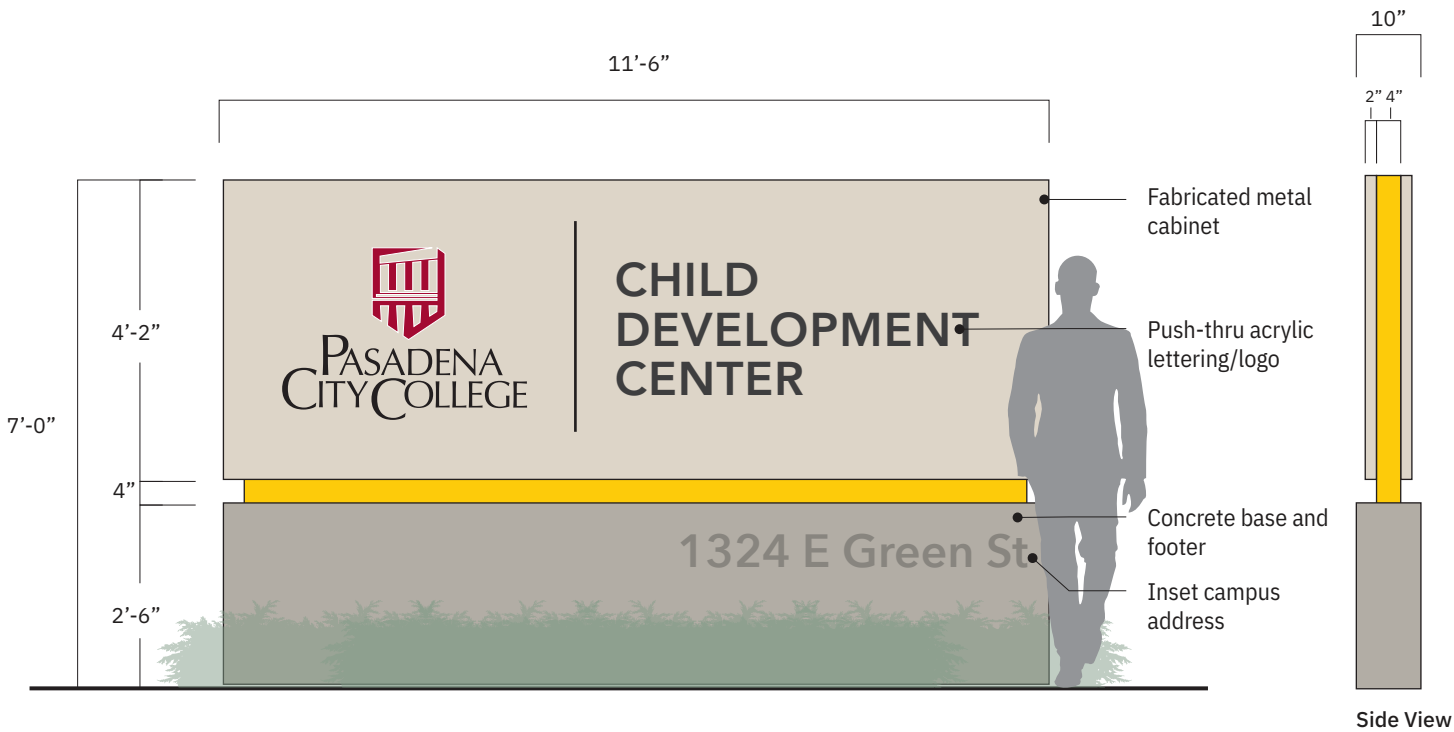
Sign shall be located along major roadways at a minimum of 6ft from the curb. Oriented to face oncoming traffic and maximize sight lines. Single location per campus at the primary arrival point.

Landscaping to be implemented around the sign to anchor the sign on the site. Landscaping should be selected so as not to obscure any sign messaging over time and to allow access for maintenance.

Construction

Sign is single or double-sided, depending on campus approach and sign placement. Constructed of aluminum materials painted to match specifications. Concrete base and footer to anchor the metal sign cabinet. Exposed concrete to be colored to match adjacent building color palette, with smooth finish and anti-graffiti coating. Footer to be engineered for proper anchoring of the cabinet.

Sign shall be illuminated with LED interior lighting as required for even illumination. Logo and lettering shall be cut push thru acrylic lettering to illuminate the face. Electrical cut-off switches placed to the back of the sign away from public sight lines.



1 FRONT ELEVATION
Scale: 3/8" = 1'-0"

Satellite Campus Monument, Wall-Mounted

Satellite Campuses

Purpose

Clearly identify satellite campus buildings when a monument sign is not appropriate. Display the PACCD logo and satellite campus name prominently to create a consistent identity system at building entries facing major roadways and entry points.

Placement

Sign shall be located prominently on building facade facing major roadways or campus entry points. Sign to be mounted at a height to maximize sight lines from the primary approach, may vary by location. Multiple locations per campus at primary arrival points.

Construction

Constructed of aluminum materials painted to match specifications. Lettering is individually cut aluminum, pin-mounted to building facade.



1 FRONT ELEVATION
Scale: 3/8" = 1'-0"

Primary Parking Identification

All Campuses

Purpose

Clearly identify parking lots at major campus entries and along major roadways. Display the PACCD logo and parking lot identifier prominently to create a consistent identity system and provide clear parking information at campus entries.

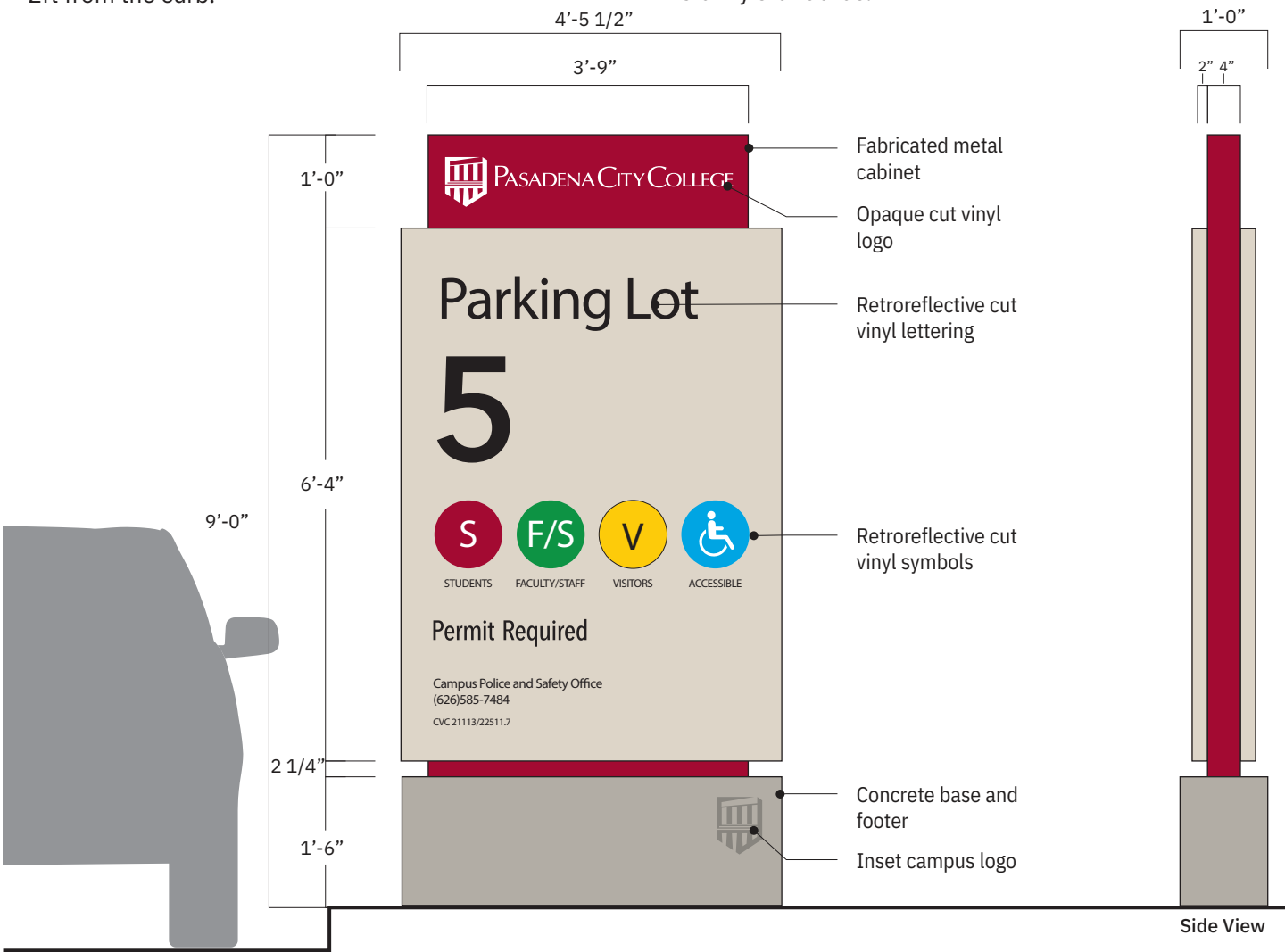
Placement

Sign shall be located prominently parking lot entries along major roadways. Oriented to face oncoming traffic and maximize sight lines. Located at a minimum 2ft from the curb.

Construction

Sign is single or double-sided, depending on campus approach and sign placement. Constructed of aluminum materials painted to match specifications. Concrete base and footer to anchor the metal sign cabinet. Exposed concrete to be colored to match adjacent building color palette, with smooth finish and anti-graffiti coating. Footer to be engineered for proper anchoring of the cabinet.

Sign shall be non-illuminated with retro reflective vinyl lettering and symbols to adhere to roadway night time visibility standards.



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Secondary Parking Identification

All Campuses

Purpose

Clearly identify parking lots at interior lot entries away from major roadways. Display parking lot identifier prominently to create a consistent identity system and provide clear parking information at interior parking lot entries.

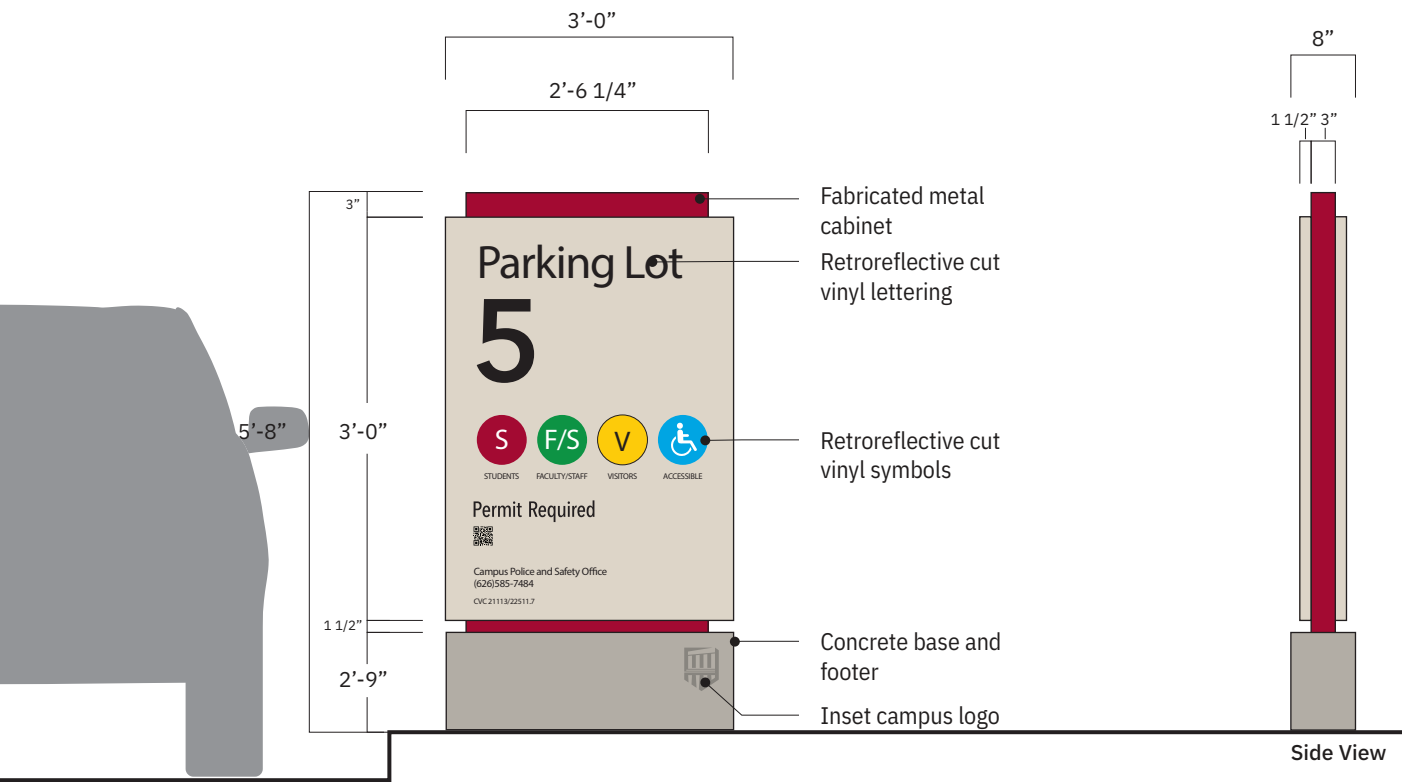
Placement

Sign shall be located prominently parking lot entries along major roadways. Oriented to face oncoming traffic and maximize sight lines. Located at a minimum 2ft from the curb.

Construction

Sign is single or double-sided, depending on campus approach and sign placement. Constructed of aluminum materials painted to match specifications. Concrete base and footer to anchor the metal sign cabinet. Exposed concrete to be colored to match adjacent building color palette, with smooth finish and anti-graffiti coating. Footer to be engineered for proper anchoring of the cabinet.

Sign shall be non-illuminated with retro reflective vinyl lettering and symbols to adhere to roadway night time visibility standards.



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Banners

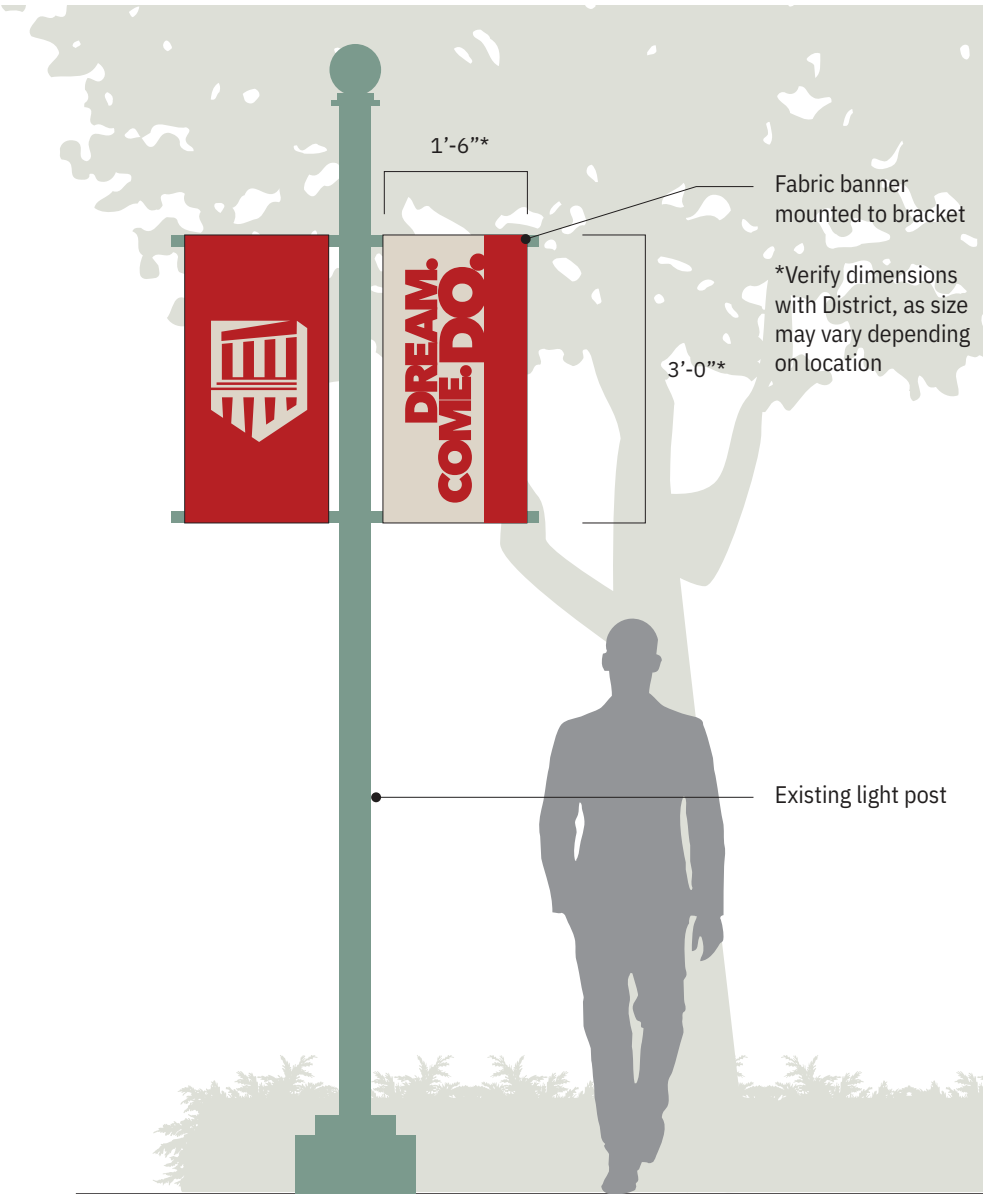
All Campuses

Purpose

Banners help to create a visually exciting environment, reinforcing the College's identity and defining the campus boundaries for a complete branded experience for students and visitors. They can also be used to promote special events and seasonal messages. One of the benefits of a banner system is that they can be easily changed to refresh the College's image.

Construction

Banners are constructed using a 15 oz. reinforced banner with bracket arms top and bottom attached to light poles. Rigid panels of aluminum composite may be used in certain areas where high winds are a concern. These should be mounted with appropriate bracket hardware to secure rigid banners to poles (standard fabric hardware is not adequate).



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Building Identification Letters

All Campuses

Purpose

Clearly identify buildings at primary building approaches or along external campus perimeters. Display the building name prominently to create a consistent identity at building entries. May be paired with a building monument sign, as needed.

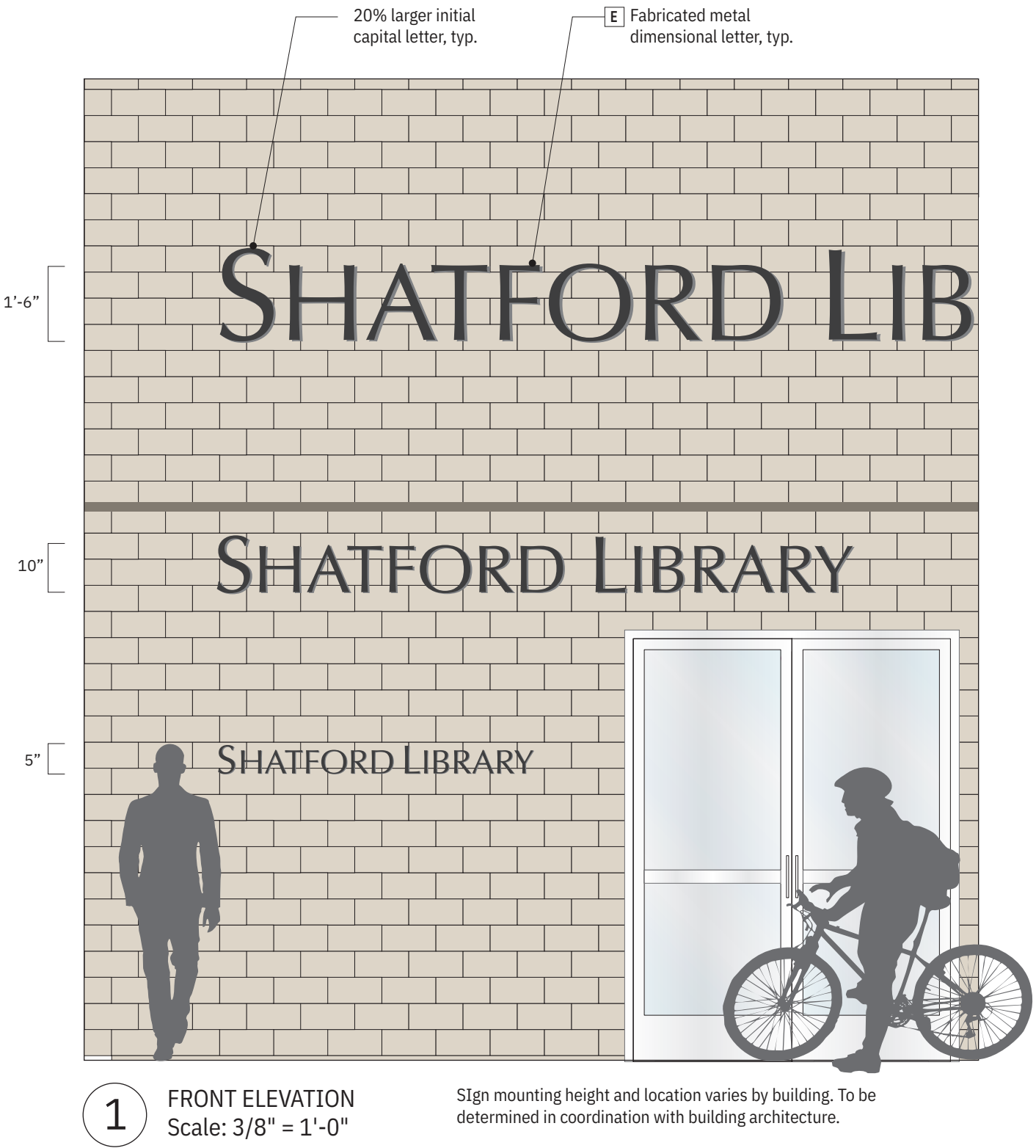
Various sizes provided depending on building approach, building size, and sight lines. To be determined by condition.

Placement

Sign shall be located prominently on building facade facing primary building approaches or along external campus perimeters. Sign to be mounted at a height to maximize sight lines from the primary approach, may vary by location. Multiple locations per building at primary arrival points, as needed.

Construction

Constructed of flat cut aluminum painted to match specifications. Lettering is individually cut, pin-mounted to building facade.



Building Identification Panel

All Campuses

Purpose

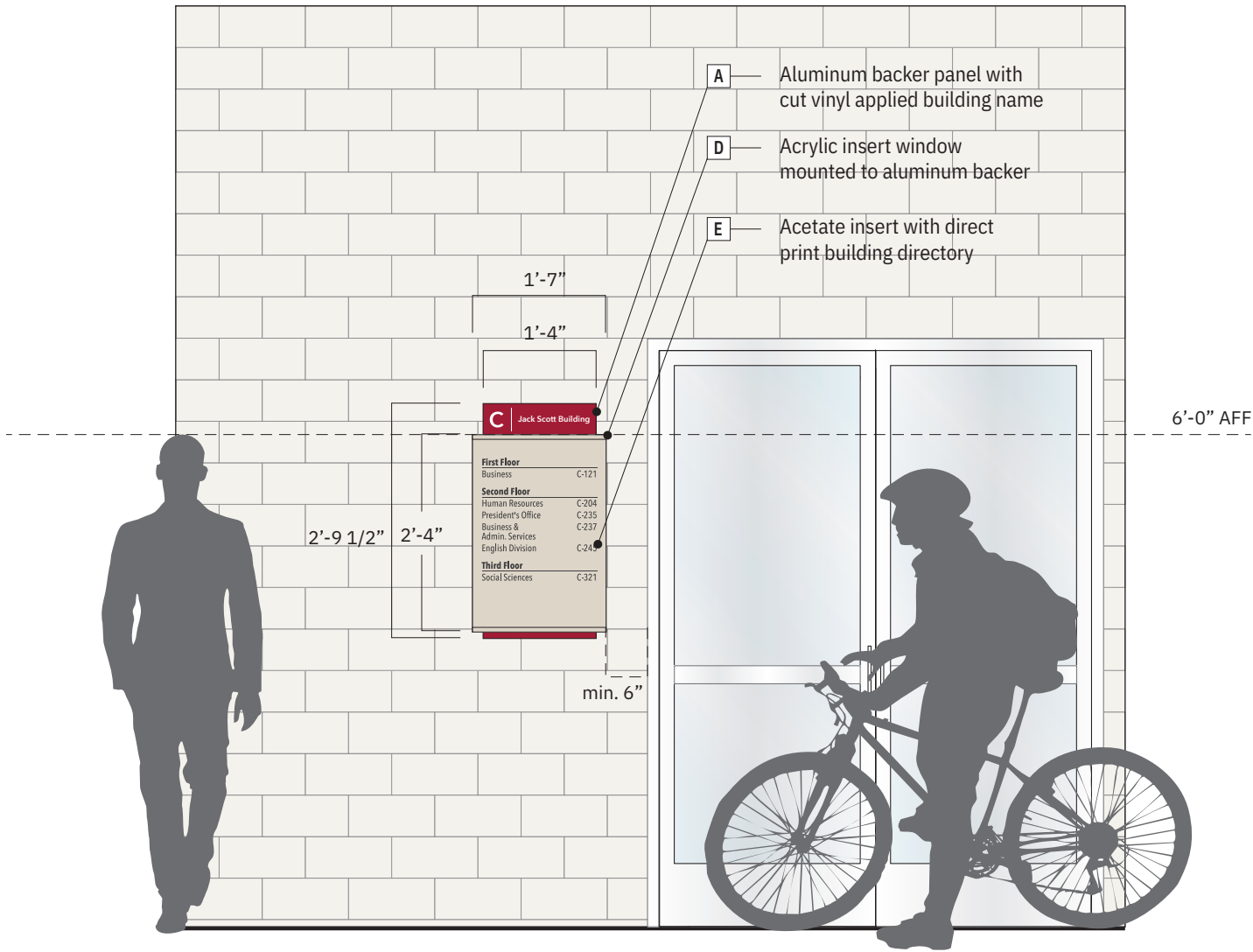
Clearly identify buildings and major interior destinations at primary building entrances. Display the building name prominently to create a consistent identity at building entries. May be paired with building-mounted letters, as needed.

Placement

Sign shall be located prominently next to primary building entrances. Sign to be mounted at a height to maximize sight lines from the primary approach. Multiple locations per building at primary entrances, as needed.

Construction

Constructed of aluminum backer panel painted to match specifications. Acrylic face panel with digitally-printed acetate insert for exterior application.



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Ground Level Identification

All Campuses

Purpose

Clearly identify buildings and major interior destinations at primary building entrances. Display the building name prominently to create a consistent identity at building entries. May be paired with building-mounted letters, as needed.

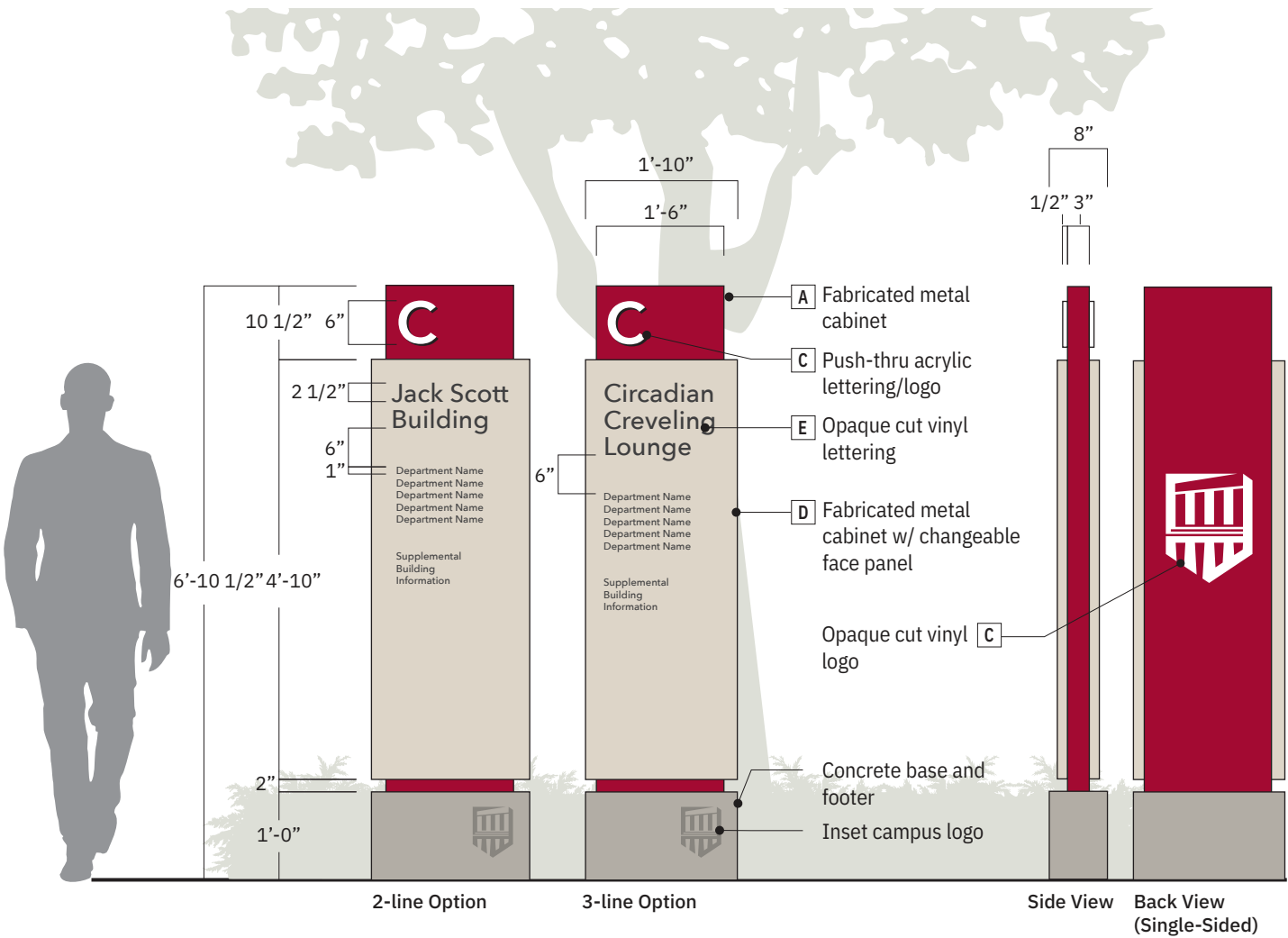
Placement

Sign shall be located prominently next to primary building entrances. Sign to be mounted along approach pathways to maximize sight lines from the primary approach. Multiple locations per building at primary entrances, as needed.

Construction

Sign is single or double-sided, depending on building approach and sign placement. Constructed of aluminum materials painted to match specifications. Concrete base and footer to anchor the metal sign cabinet. Exposed concrete to be colored to match adjacent building color palette, with smooth finish and anti-graffiti coating. Footer to be engineered for proper anchoring of the cabinet.

Sign shall be non-illuminated with opaque vinyl lettering and symbols.



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Pedestrian Directionals, Freestanding

All Campuses

Purpose

Provide destination and directional information along interior campus pathways. Display destination names prominently to create consistent wayfinding information across campus.

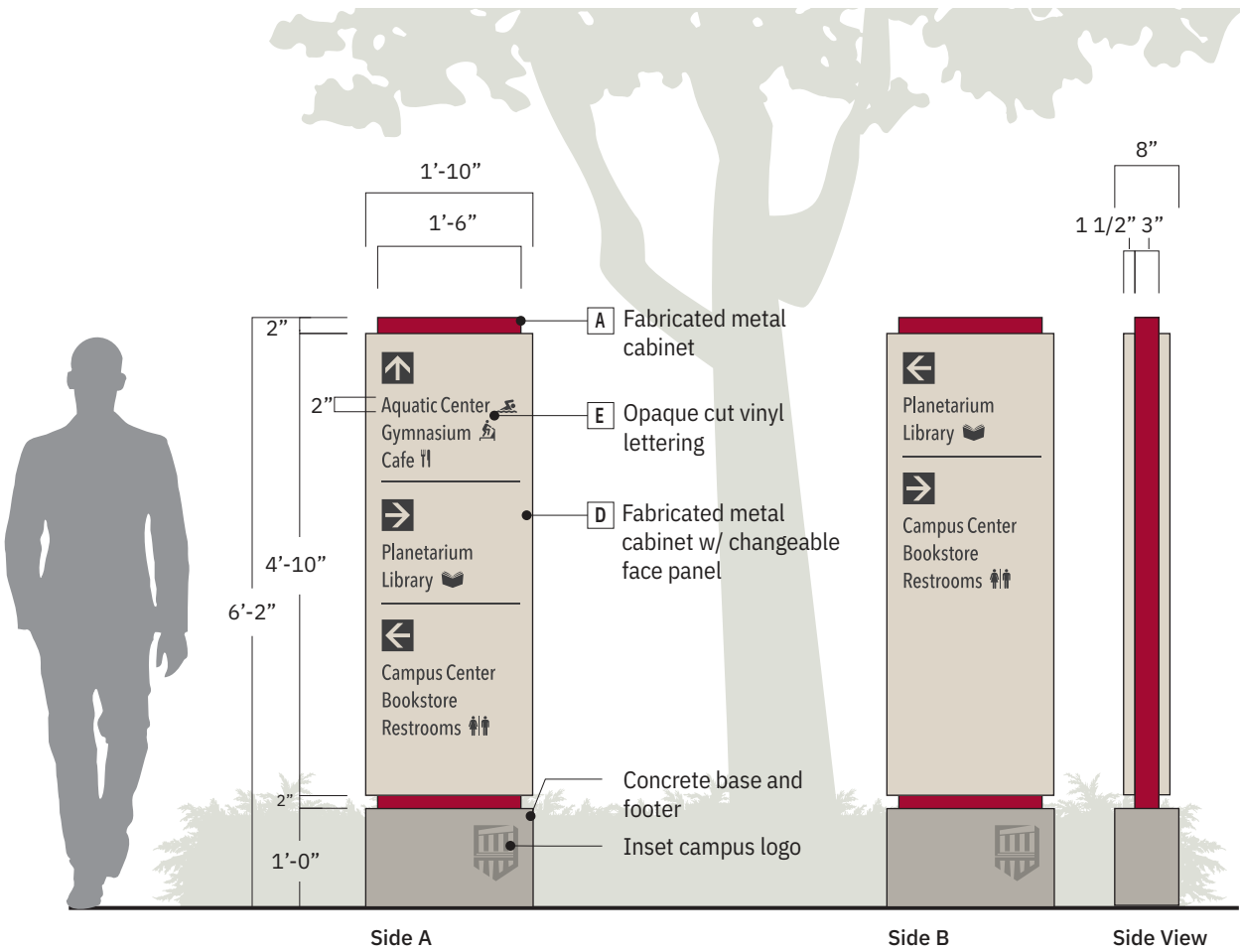
Placement

Sign shall be located prominently next to primary campus pathways, located in landscaped areas to minimize accessible path impact. Sign to be mounted perpendicular along approach pathways to maximize sight lines from the primary approach. Multiple locations throughout campus at major path intersections and along pathways to reinforce wayfinding.

Construction

Sign is single or double-sided, depending on pathway approach and sign placement. Constructed of aluminum materials painted to match specifications. Concrete base and footer to anchor the metal sign cabinet. Exposed concrete to be colored to match adjacent building color palette, with smooth finish and anti-graffiti coating. Footer to be engineered for proper anchoring of the cabinet.

Sign shall be non-illuminated with opaque vinyl lettering and symbols.



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Pedestrian Directionals, Wall-Mounted

All Campuses

Purpose

Provide destination and directional information along interior campus pathways. Display destination names prominently to create consistent wayfinding information across campus.

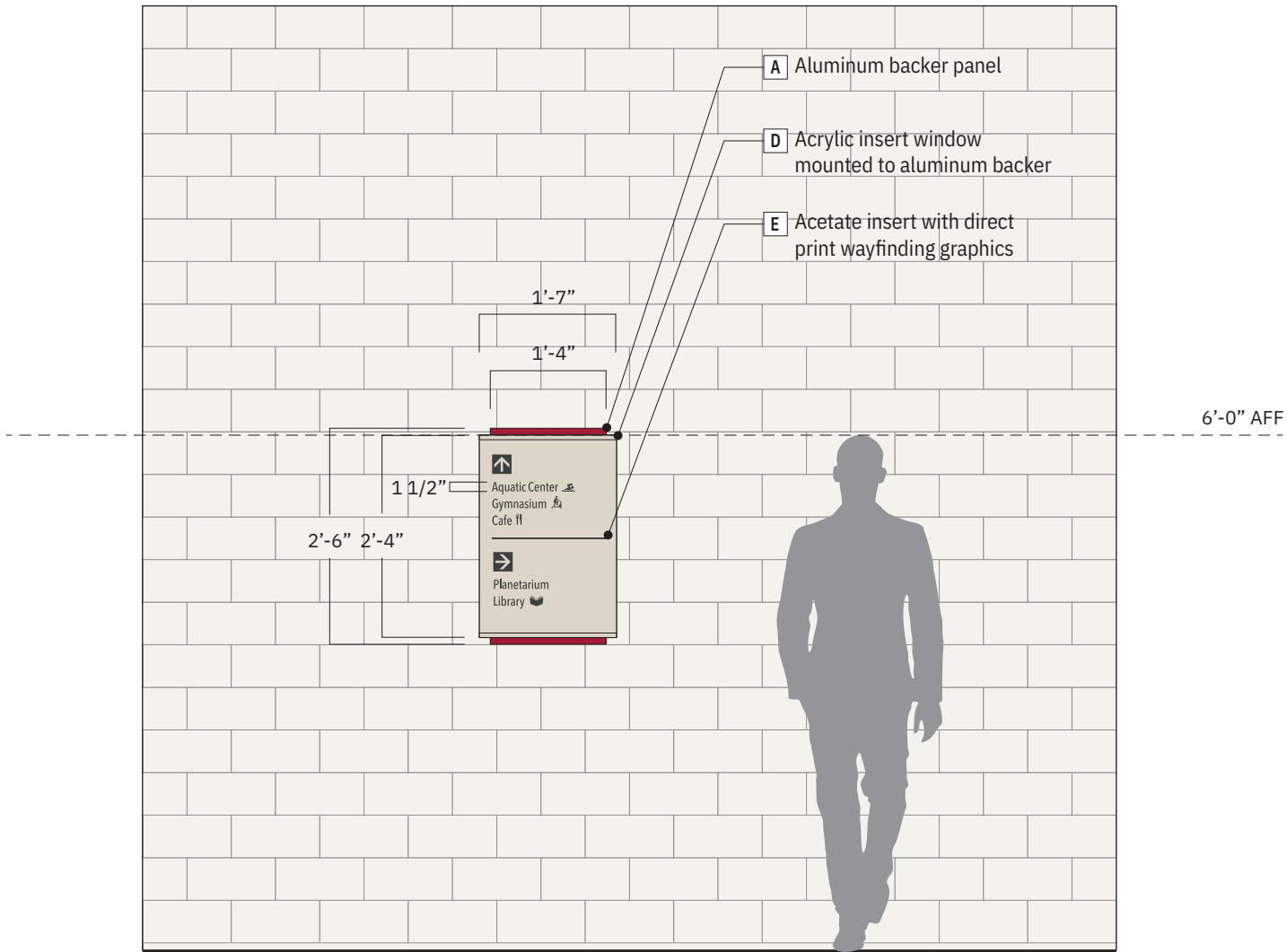
Placement

Sign shall be located prominently next to primary campus pathways, located on building facades near primary pathway intersections. Sign to be mounted near building corners and intersections to maximize sight

lines from the primary approach. Multiple locations throughout campus at major path intersections and along pathways to reinforce wayfinding.

Construction

Constructed of aluminum backer panel painted to match specifications. Sign shall be non-illuminated with opaque vinyl lettering and symbols.



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Vehicular Directionals

All Campuses

Purpose

Provide destination and directional information along interior vehicular campus roadways. Display destination names prominently to create consistent wayfinding information across campus.

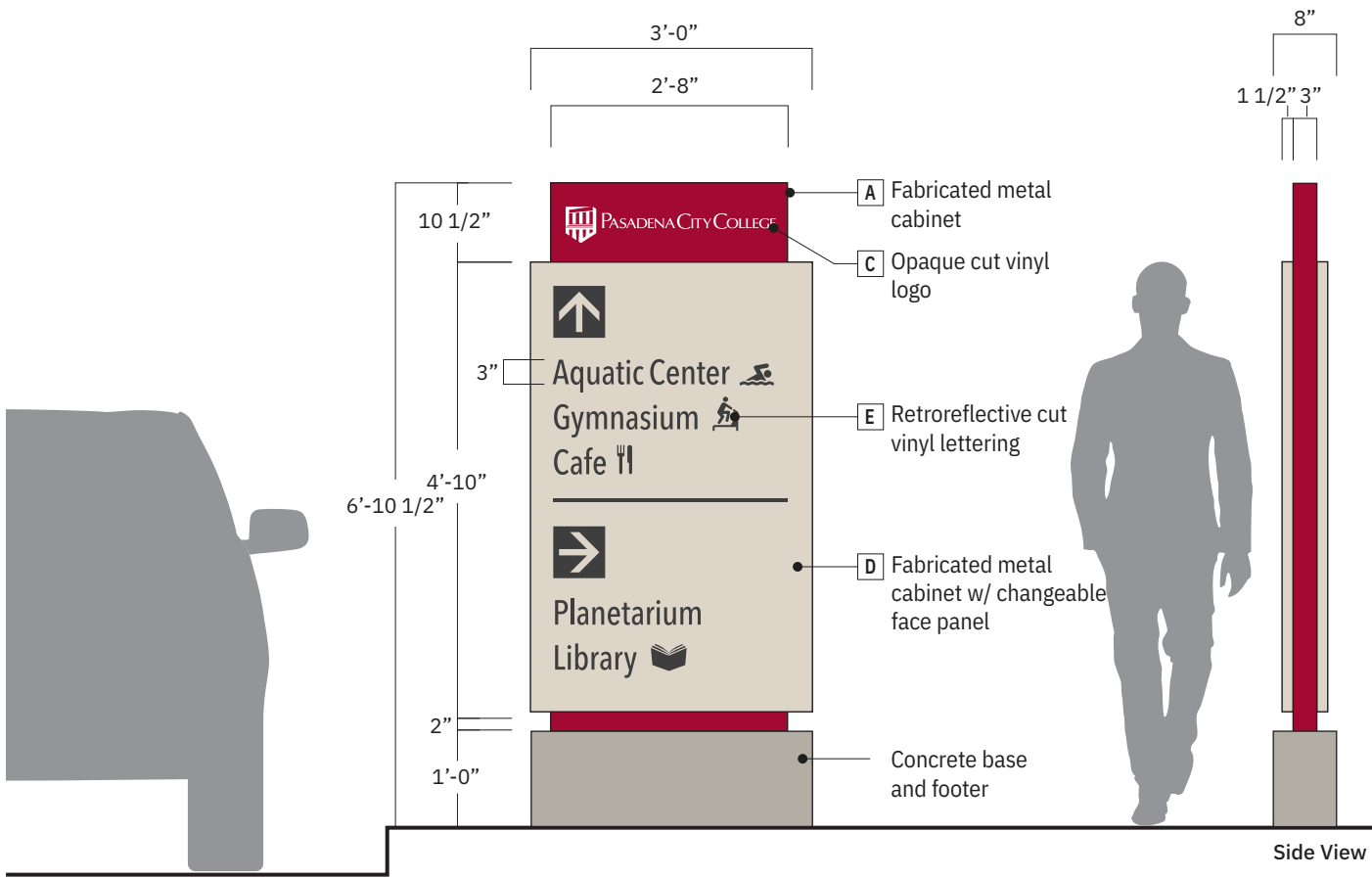
Placement

Sign shall be located prominently next to interior campus roadways. Sign to be mounted perpendicular to face oncoming traffic along approach pathways to maximize sight lines from the primary approach. Multiple locations throughout campus at major path intersections and along pathways to reinforce wayfinding. Located at a minimum 2ft from the curb.

Construction

Sign is single or double-sided, depending on pathway approach and sign placement. Constructed of aluminum materials painted to match specifications. Concrete base and footer to anchor the metal sign cabinet. Exposed concrete to be colored to match adjacent building color palette, with smooth finish and anti-graffiti coating. Footer to be engineered for proper anchoring of the cabinet.

Sign shall be non-illuminated with retro reflective vinyl lettering and symbols to adhere to roadway night time visibility standards.



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Transit-Oriented Signage

All Campuses

Purpose

Provide transit information at transit pick-up & drop-off locations.

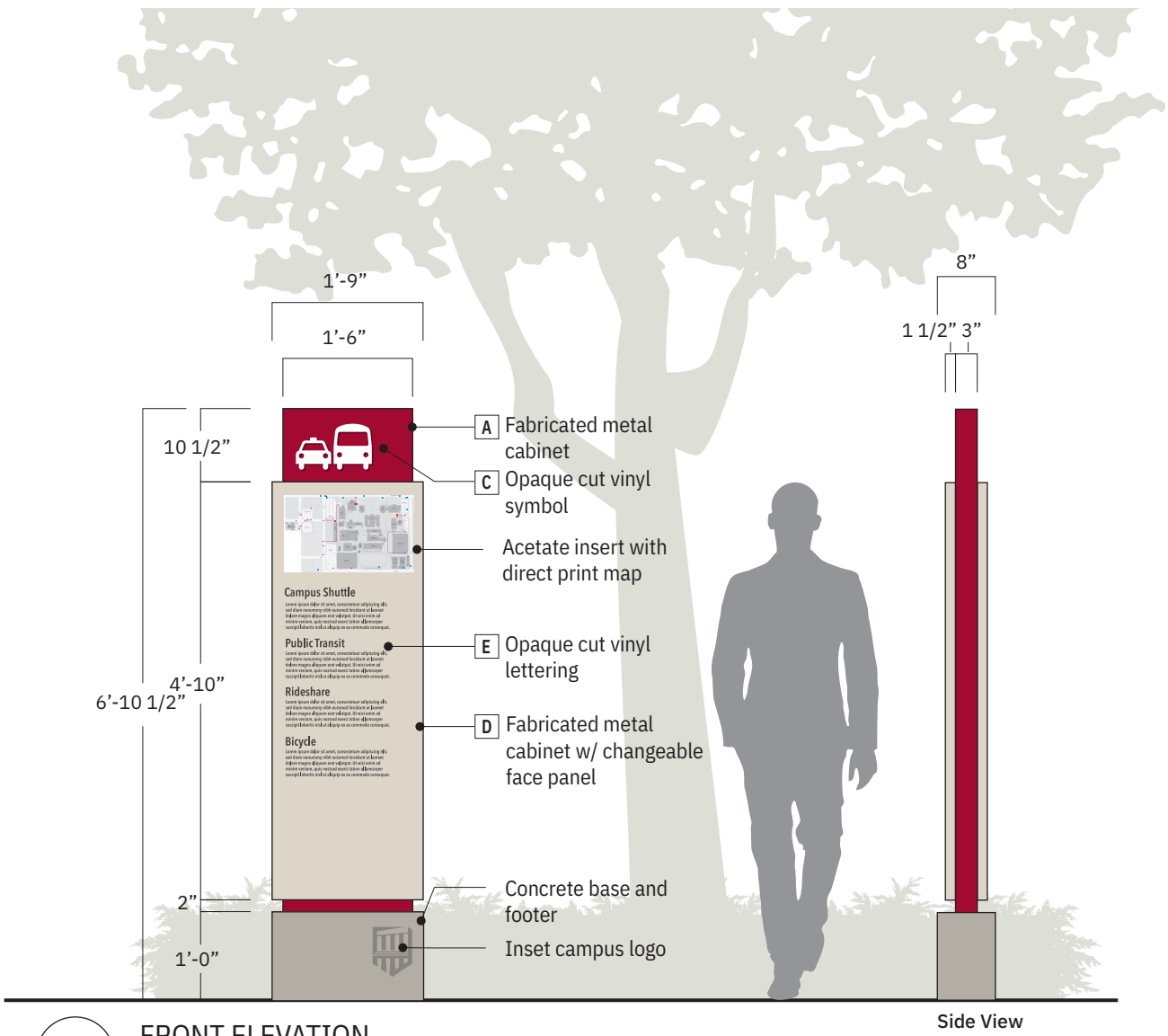
Placement

Sign shall be located prominently next to transit pick-up & drop-off locations. Sign to be mounted adjacent to waiting areas and along approach pathways to maximize sight lines from the primary approach. Multiple locations per transit stop, as needed.

Construction

Sign is single or double-sided, depending on sign placement. Constructed of aluminum materials painted to match specifications. Concrete base and footer to anchor the metal sign cabinet. Exposed concrete to be colored to match adjacent building color palette, with smooth finish and anti-graffiti coating. Footer to be engineered for proper anchoring of the cabinet.

Sign shall be non-illuminated with opaque vinyl lettering and symbols.



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Pedestrian Campus Directory

All Campuses

Purpose

Provide campus orientation and destination information at primary interior campus entries and decision points. Display a campus map and destination names prominently to create consistent wayfinding information across campus.

Campus map to be oriented to the viewer, and provide information including building names, campus amenities, and life-safety information. A QR code to be used to connect users to online campus wayfinding resources via website or mobile app.

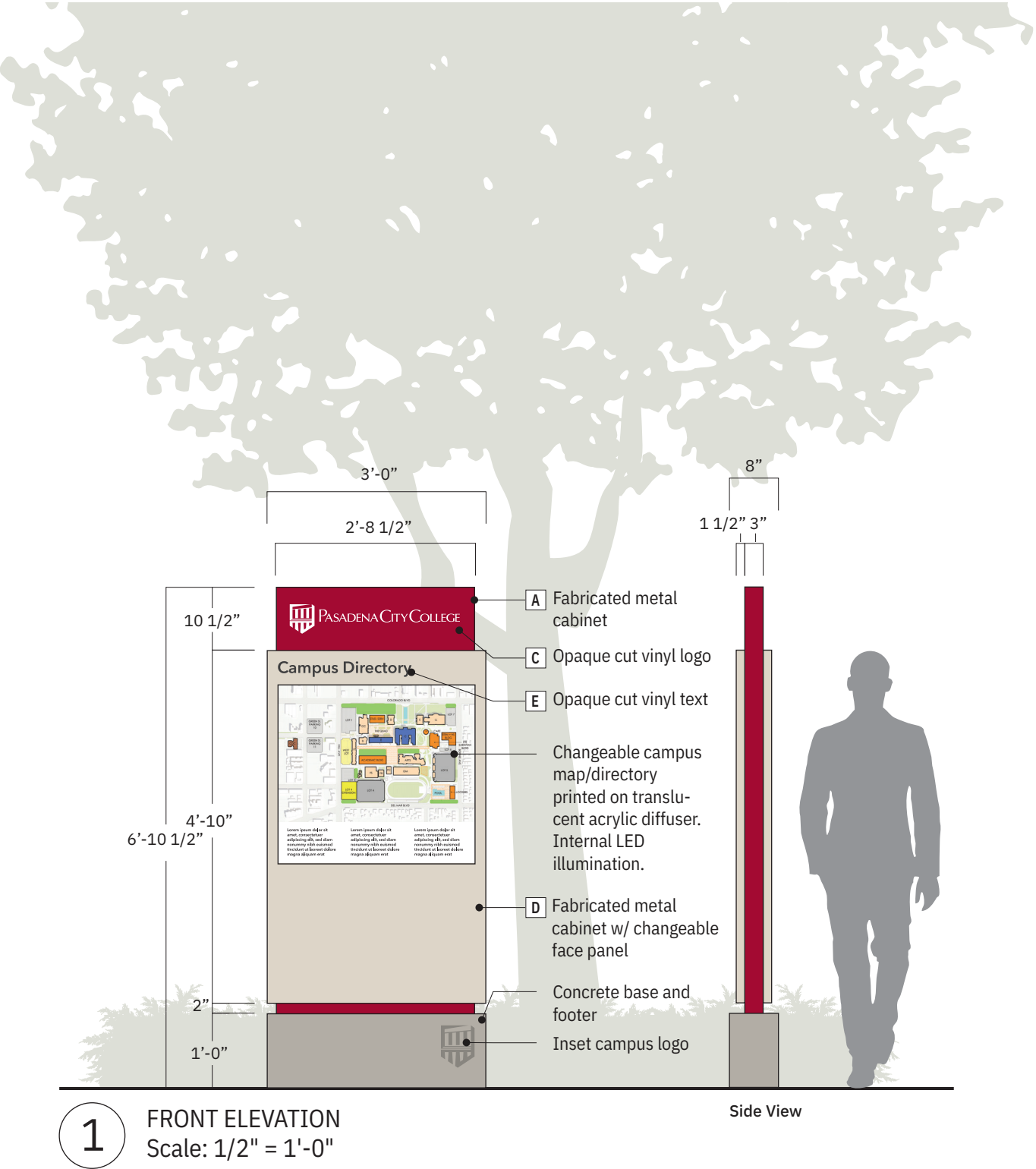
Placement

Sign shall be located prominently at interior campus entry points from perimeter roadways and/or parking lots to immediately orient the user to the campus. Located in landscaped areas to minimize accessible path impact, but within 1ft of pathway. Sign to be mounted along approach pathways to maximize sight lines from the primary approach and provide accessible use and viewing by wheelchair. Multiple locations throughout campus at major path intersections and along pathways to reinforce wayfinding.

Construction

Sign is single or double-sided, depending on pathway approach and sign placement. Constructed of aluminum materials painted to match specifications. Concrete base and footer to anchor the metal sign cabinet. Exposed concrete to be colored to match adjacent building color palette, with smooth finish and anti-graffiti coating. Footer to be engineered for proper anchoring of the cabinet.

Sign shall be internally LED illuminated to provide even rear-illumination of campus map. Map digitally printed on clear vinyl, adhered to translucent white diffuser acrylic sheet to be inserted in sign for greater changeability.



Interior Building Branding

All Campuses

Purpose

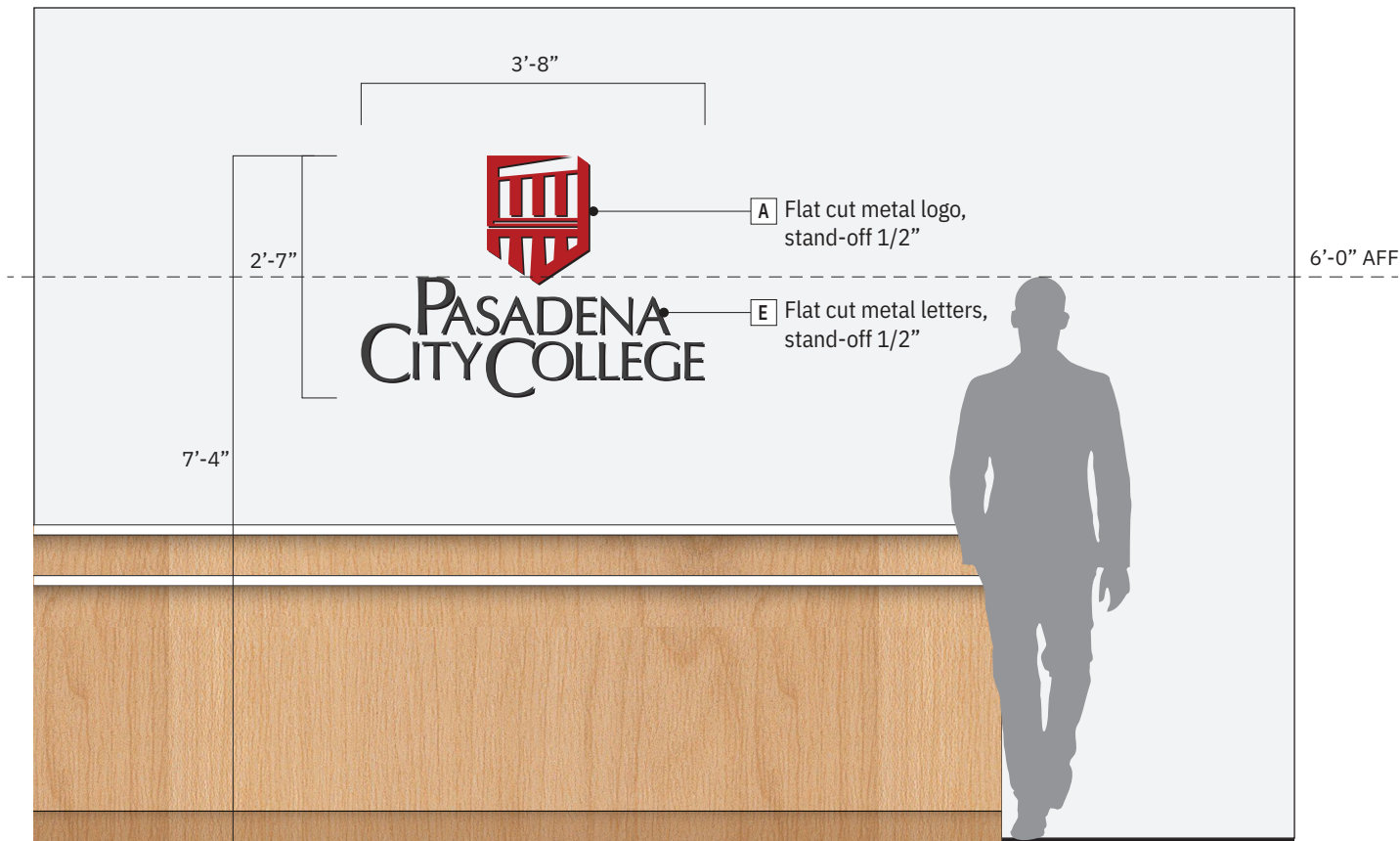
Prominently brand buildings at primary building entrances and/or reception areas. Display the campus logo prominently to create a consistent identity at building entries.

Placement

Sign shall be located prominently on interior wall facing primary building entrance or behind reception desk. Sign to be mounted at a height to maximize sight lines from the primary approach, may vary by location. Multiple locations per building at primary entries, as needed.

Construction

Constructed of flat cut aluminum painted to match specifications. Lettering is individually cut, pin-mounted to interior wall.



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Interior Building Identification

All Campuses

Purpose

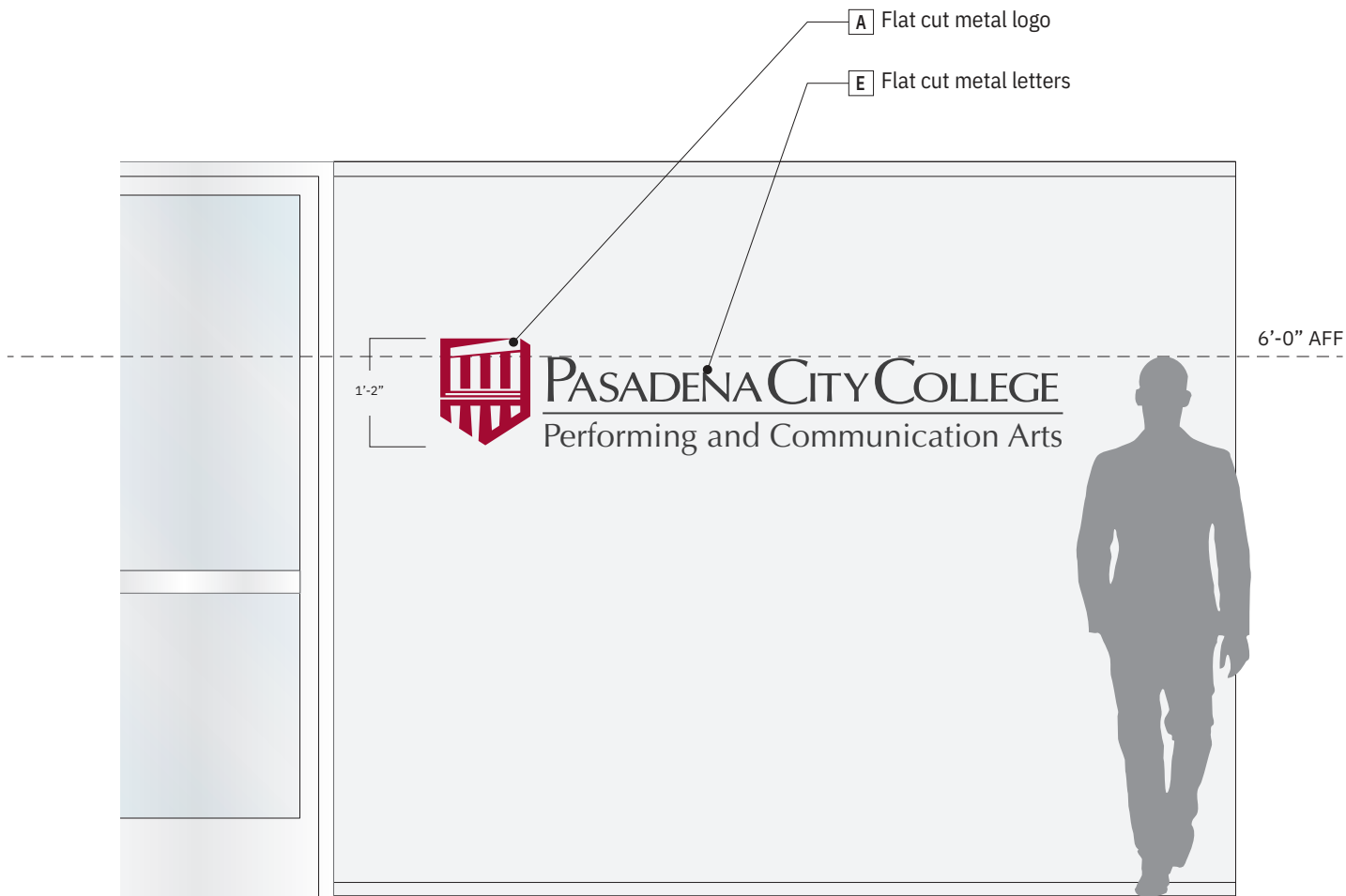
Prominently brand buildings and identify buildings and/or major departments at primary building entrances and/or reception areas. Display the campus logo prominently to create a consistent identity at building entries.

Placement

Sign shall be located prominently on interior wall facing primary building entrance or behind reception desk. Sign to be mounted at a height to maximize sight lines from the primary approach, may vary by location. Multiple locations per building at primary entries, as needed.

Construction

Constructed of flat cut aluminum painted to match specifications. Lettering is individually cut, pin-mounted to interior wall.



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Interior Department Identification

All Campuses

Purpose

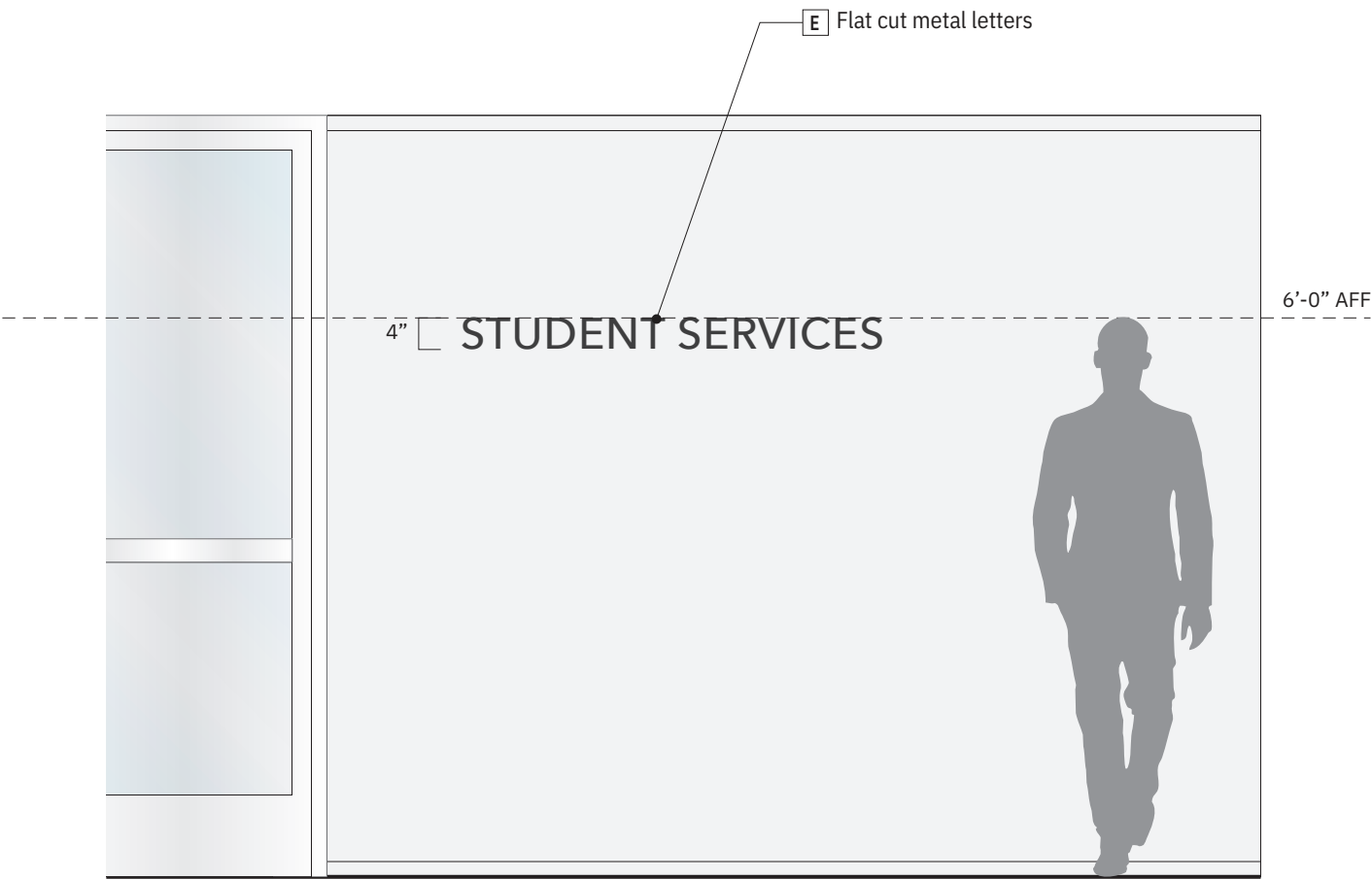
Prominently identify major departments at primary department entrances and/or reception areas.

Construction

Constructed of flat cut aluminum painted to match specifications. Lettering is individually cut, pin-mounted to interior wall.

Placement

Sign shall be located prominently on interior wall facing primary department entrance approach or behind reception desk. Sign to be mounted at a height to maximize sight lines from the primary approach, may vary by location. Multiple locations per building at department entries, as needed.



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1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Primary Room Identification

All Campuses

Purpose

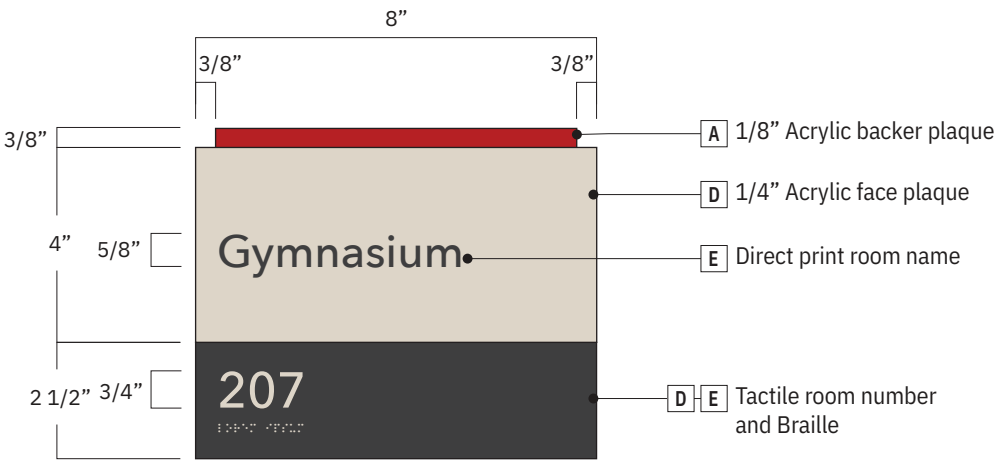
Identify primary rooms at room entry doors consistently across all campus buildings and as required by building code. Room name and room number provided in tactile lettering and Braille as required.

Placement

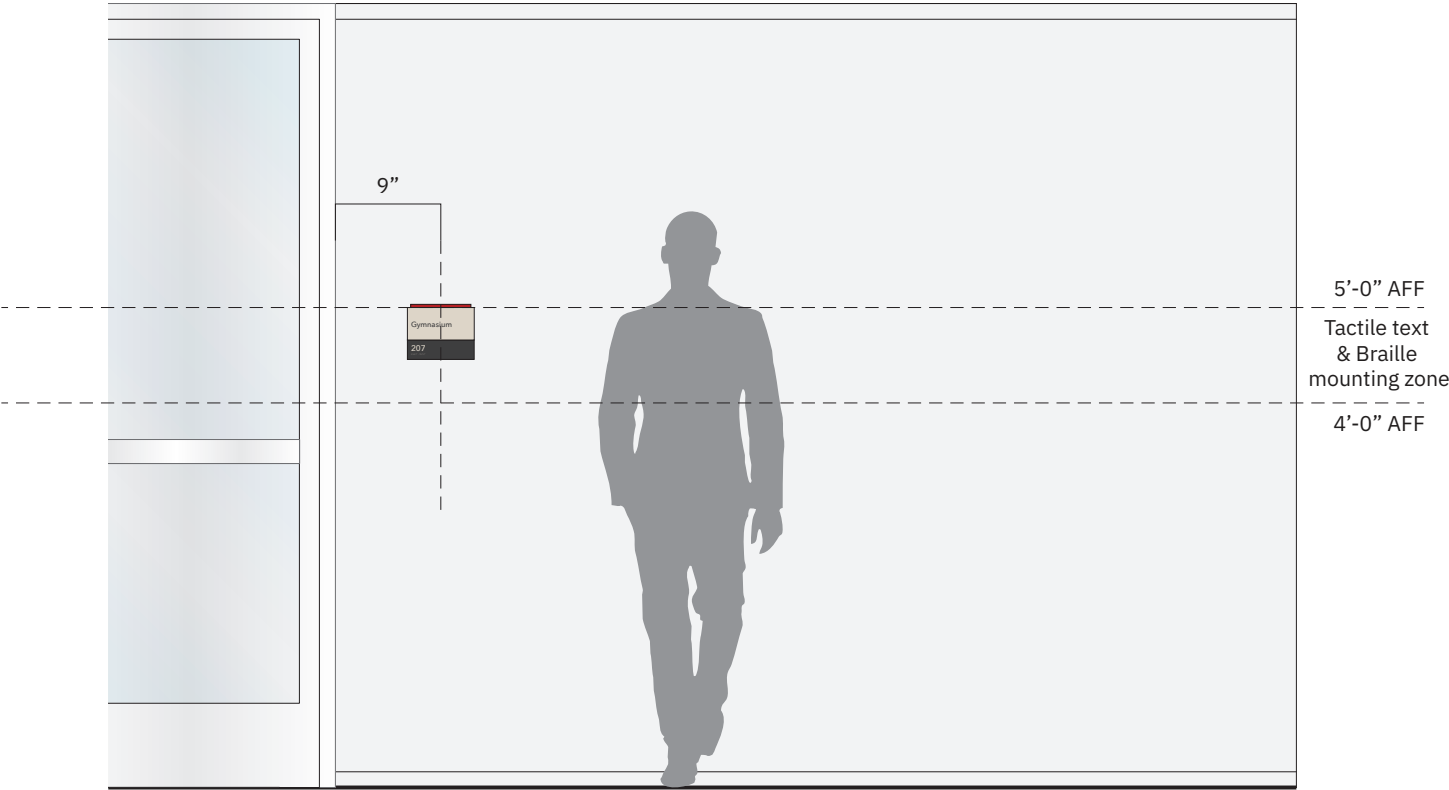
Sign shall be located centered within 18” clear floor space at latch side of door, or right side of double-doors. Sign to be mounted within 48” AFF as measured from baseline of Braille to 60” AFF as measured from baseline of top-most tactile text as required by building code.

Construction

Constructed of multiple-layers of cut acrylic sheet painted to match specifications. 3D printed tactile text and Braille as required by building code. Provide protective clear coat over all text.



2 DETAIL
Scale: 3" = 1'-0"



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Office Identification

All Campuses

Purpose

Identify staff or faculty offices at room entry doors consistently across all campus buildings and as required by building code. Room number provided in tactile lettering and Braille as required. Staff or faculty name and department provided on changeable insert.

Tackable panel or paper insert bar below sign as an option where desired.

Placement

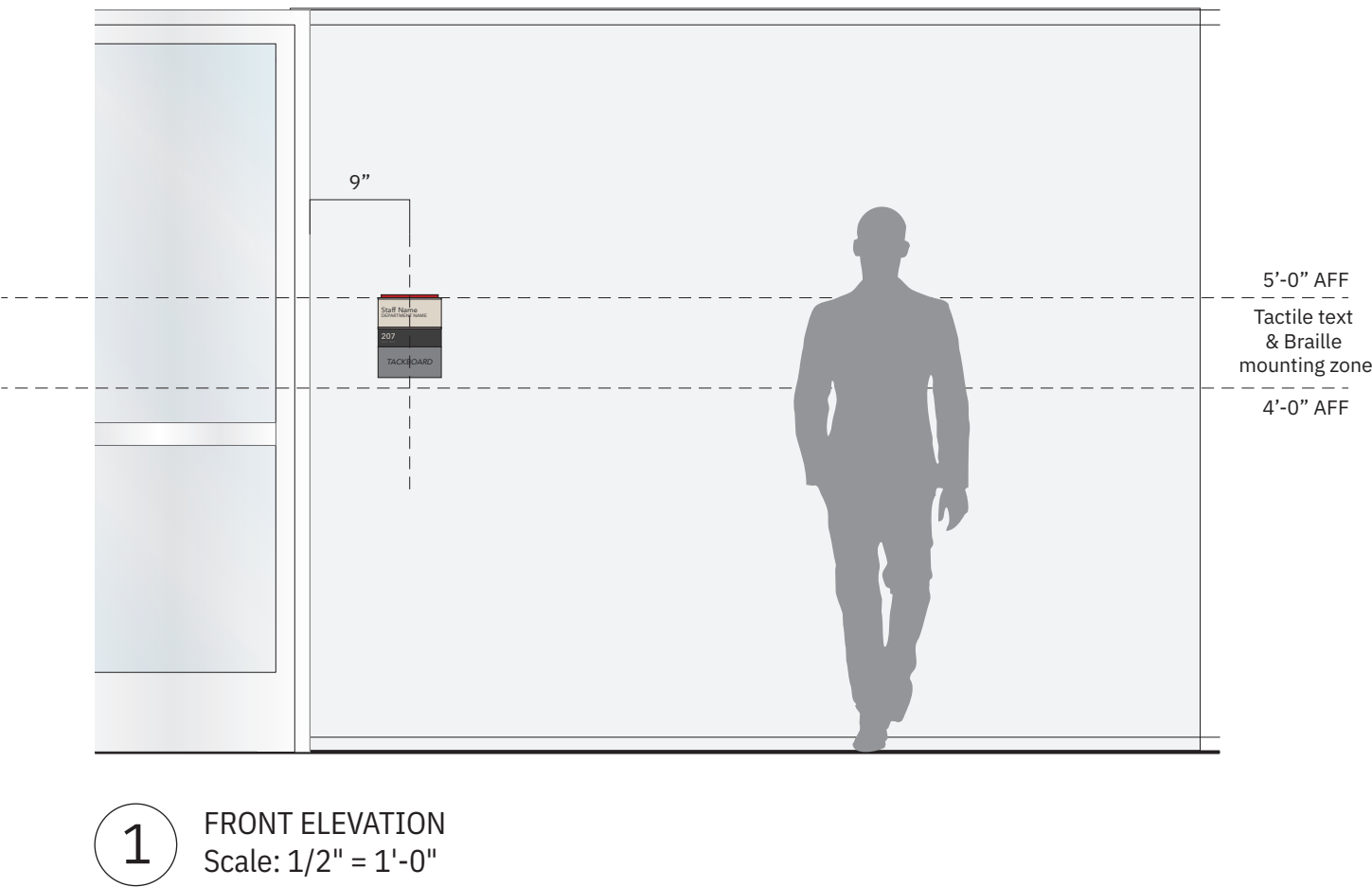
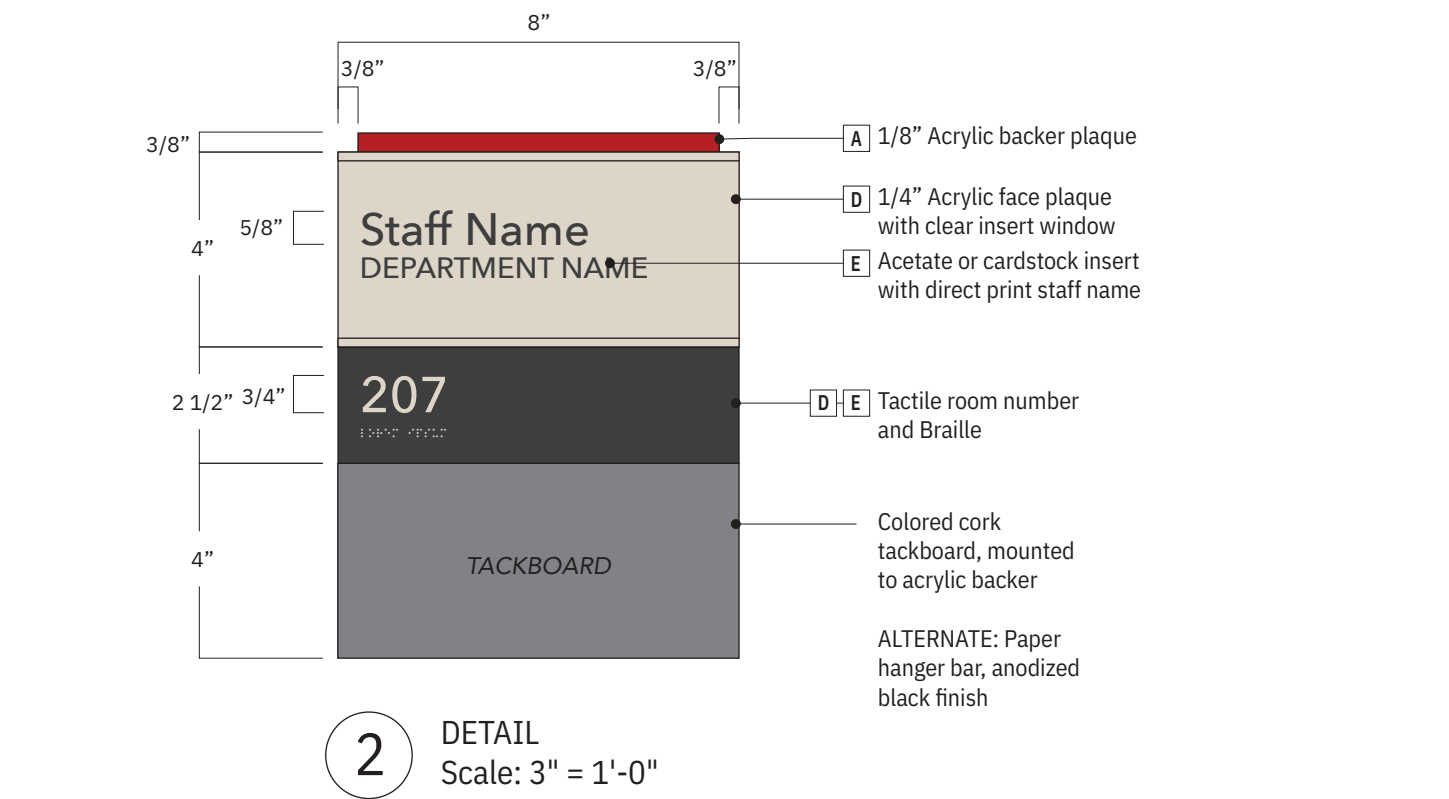
Sign shall be located centered within 18” clear floor space at latch side of door, or right side of double-doors. Sign to be mounted within 48” AFF as measured from baseline of Braille to 60” AFF as measured from baseline of top-most tactile text as required by building code.

Construction

Constructed of multiple-layers of cut acrylic sheet painted to match specifications. 3D printed tactile text and Braille as required by building code. Provide protective clear coat over all text.

Staff or faculty name printed on heavy card stock or acetate insert into clear window.

Tackable cork panel or paper insert bar mounted directly below sign where desired.



Base Building Identification

All Campuses

Purpose

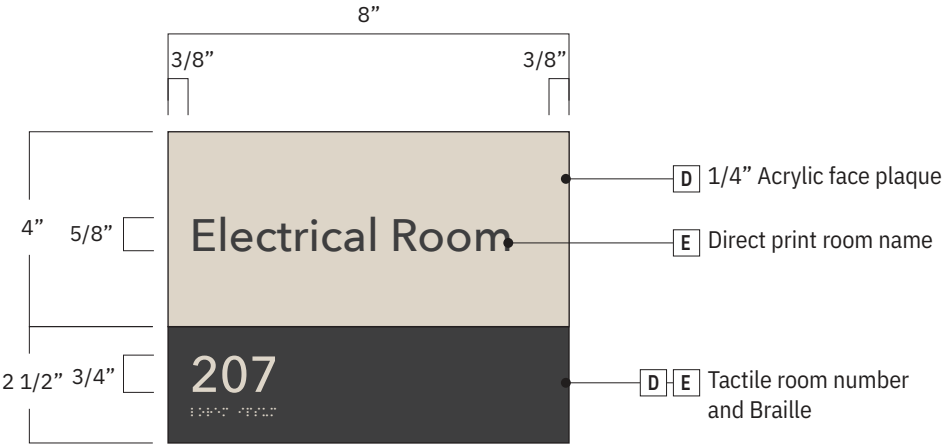
Identify base building rooms at room entry doors consistently across all campus buildings and as required by building code. Room name and room number provided in tactile lettering and Braille as required.

Placement

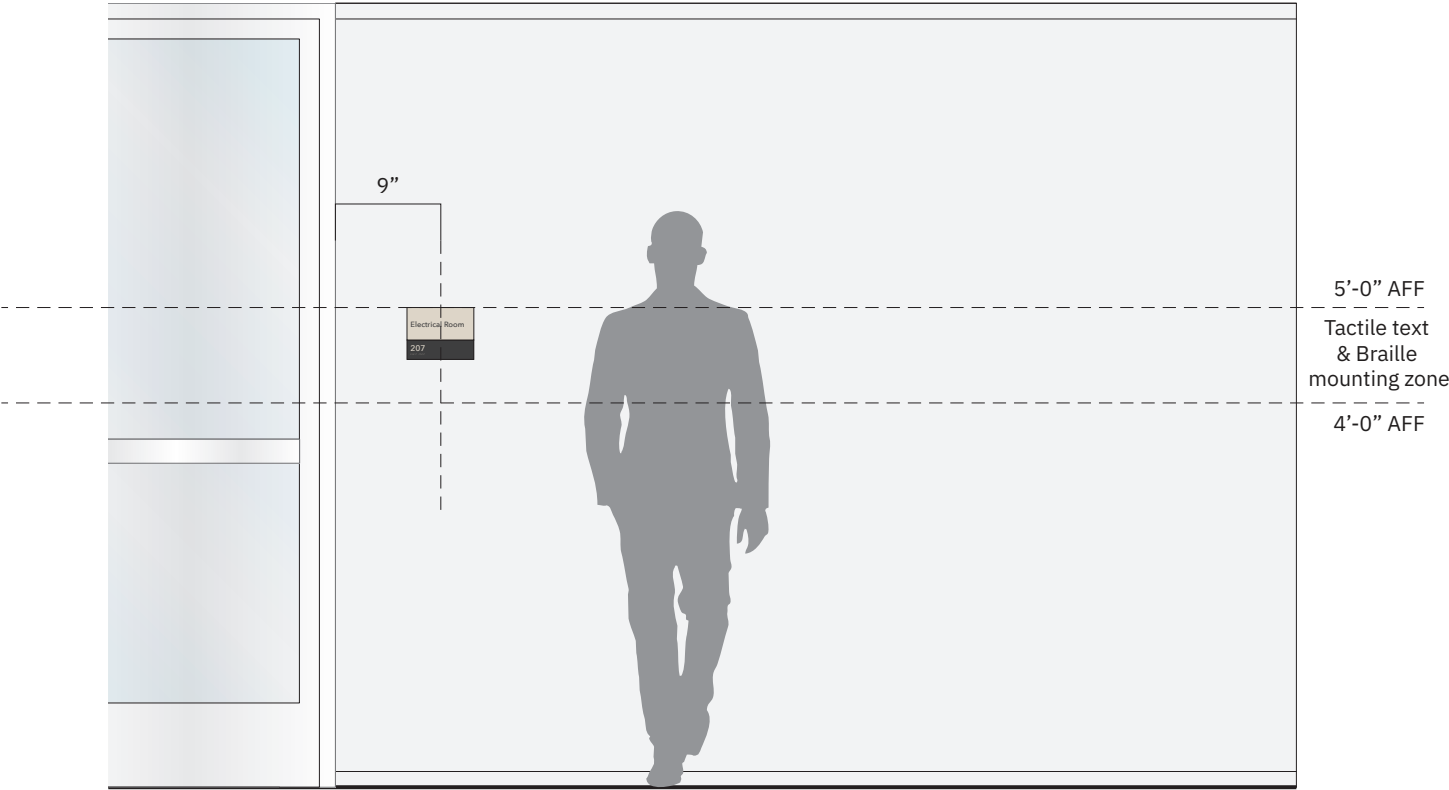
Sign shall be located centered within 18” clear floor space at latch side of door, or right side of double-doors. Sign to be mounted within 48” AFF as measured from baseline of Braille to 60” AFF as measured from baseline of top-most tactile text as required by building code.

Construction

Constructed of multiple-layers of cut acrylic sheet painted to match specifications. 3D printed tactile text and Braille as required by building code. Provide protective clear coat over all text.



2 DETAIL
Scale: 3" = 1'-0"



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Stair and Restroom Identification

All Campuses

Purpose

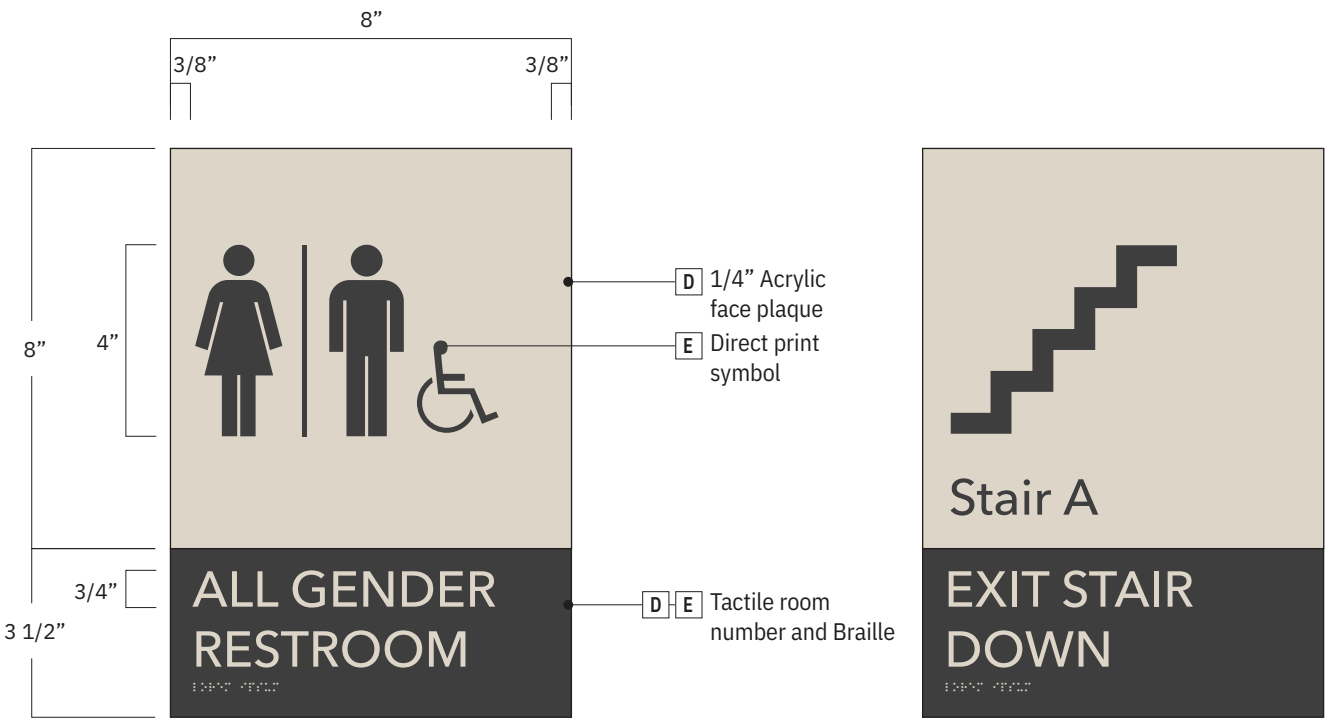
Identify stairs and restrooms at entry doors consistently across all campus buildings and as required by building code. Stair and restroom name and room number provided in tactile lettering and Braille as required.

Placement

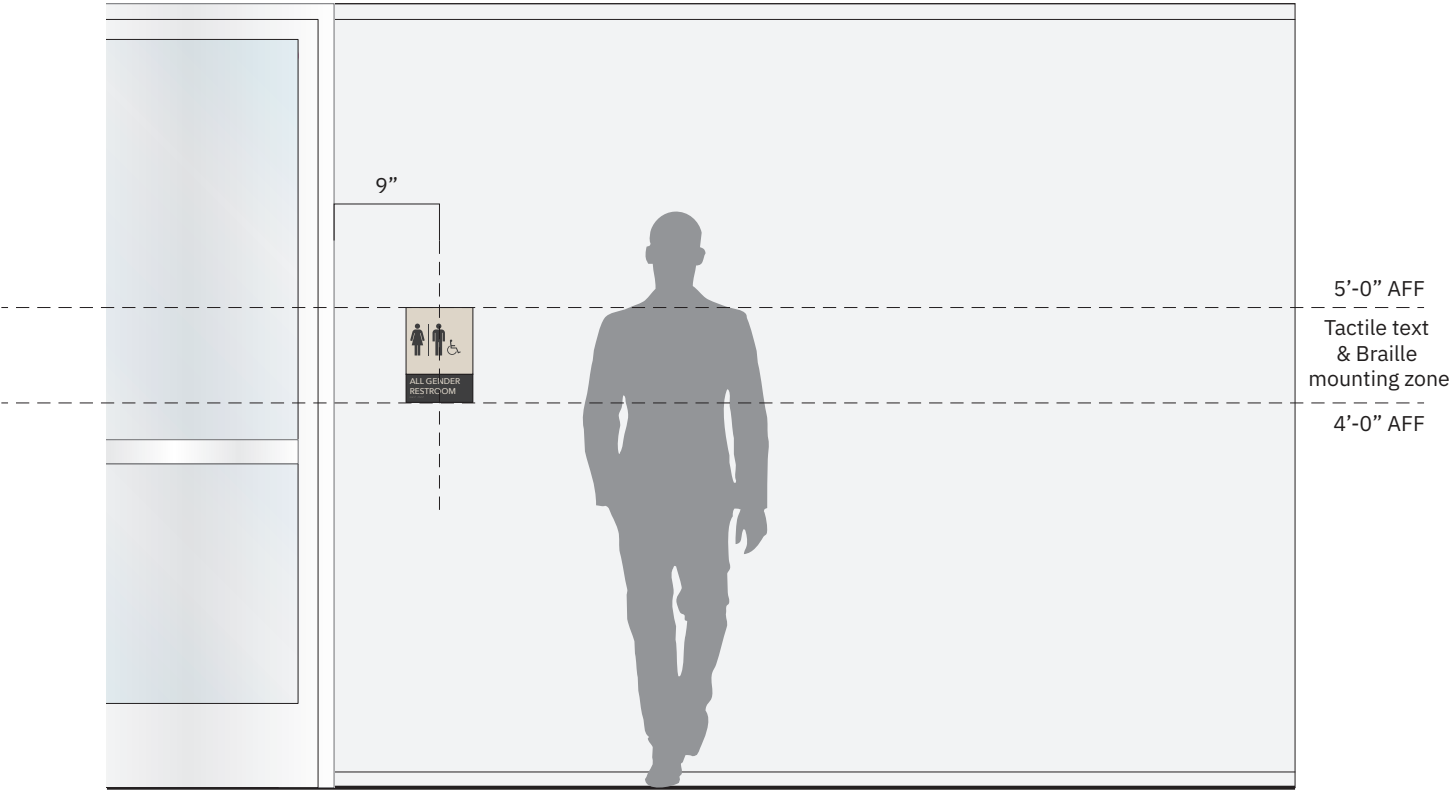
Sign shall be located centered within 18” clear floor space at latch side of door, or right side of double-doors. Sign to be mounted within 48” AFF as measured from baseline of Braille to 60” AFF as measured from baseline of top-most tactile text as required by building code.

Construction

Constructed of multiple-layers of cut acrylic sheet painted to match specifications. 3D printed tactile text and Braille as required by building code. Symbol direct printed to sign face. Provide protective clear coat over all text and symbol.



2 DETAIL
Scale: 3" = 1'-0"



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Restroom Geometric (Title 24)

All Campuses

Purpose

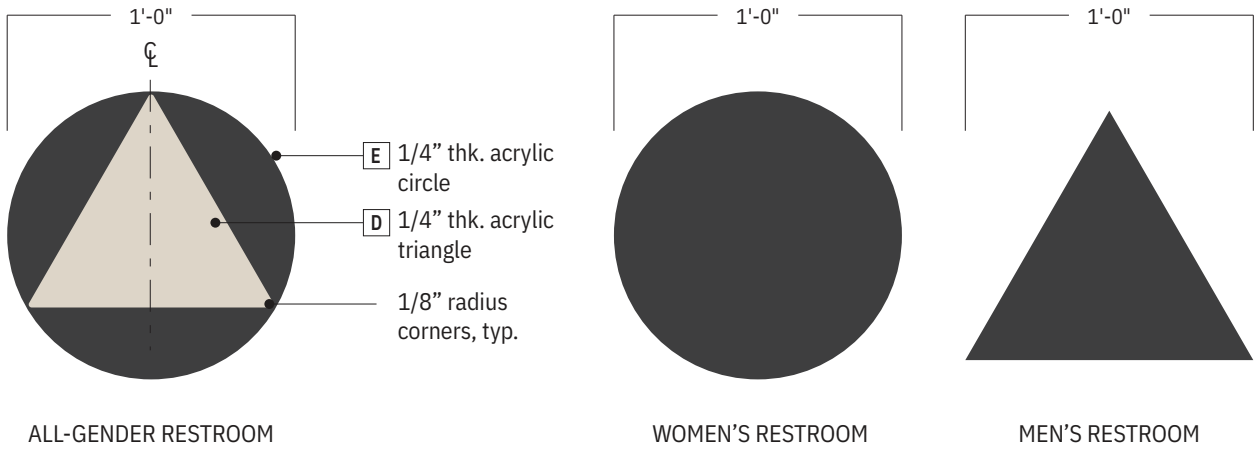
Identify restrooms at entry doors per California Title 24 consistently across all campus buildings and as required by building code.

Placement

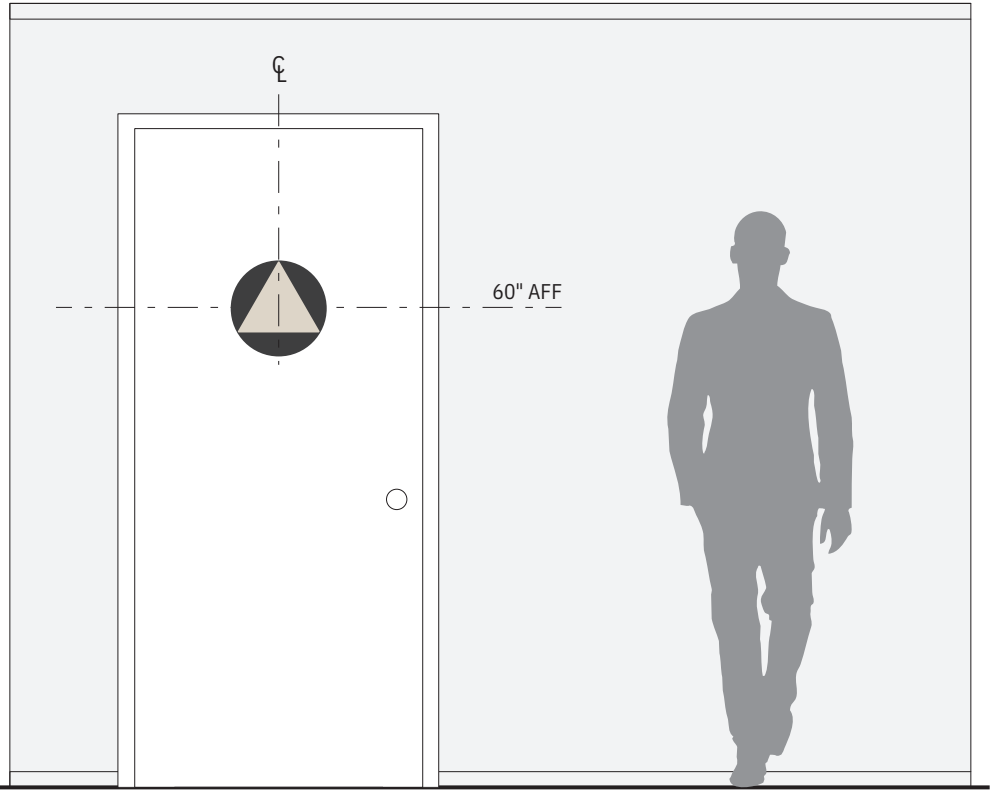
Sign shall be located centered on restroom entry door.
Sign to be mounted 60" AFF as measured from center of sign as required by building code.

Construction

Constructed of multiple-layers of cut acrylic sheet painted to match specifications.



2 DETAIL
Scale: 1 1/2" = 1'-0"



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Classroom Identification

All Campuses

Purpose

Identify classrooms and labs at room entry doors consistently across all campus buildings and as required by building code. Room number provided in tactile lettering and Braille as required. Class schedule provided on changeable insert.

Tackable panel or paper insert bar below sign as an option where desired.

Placement

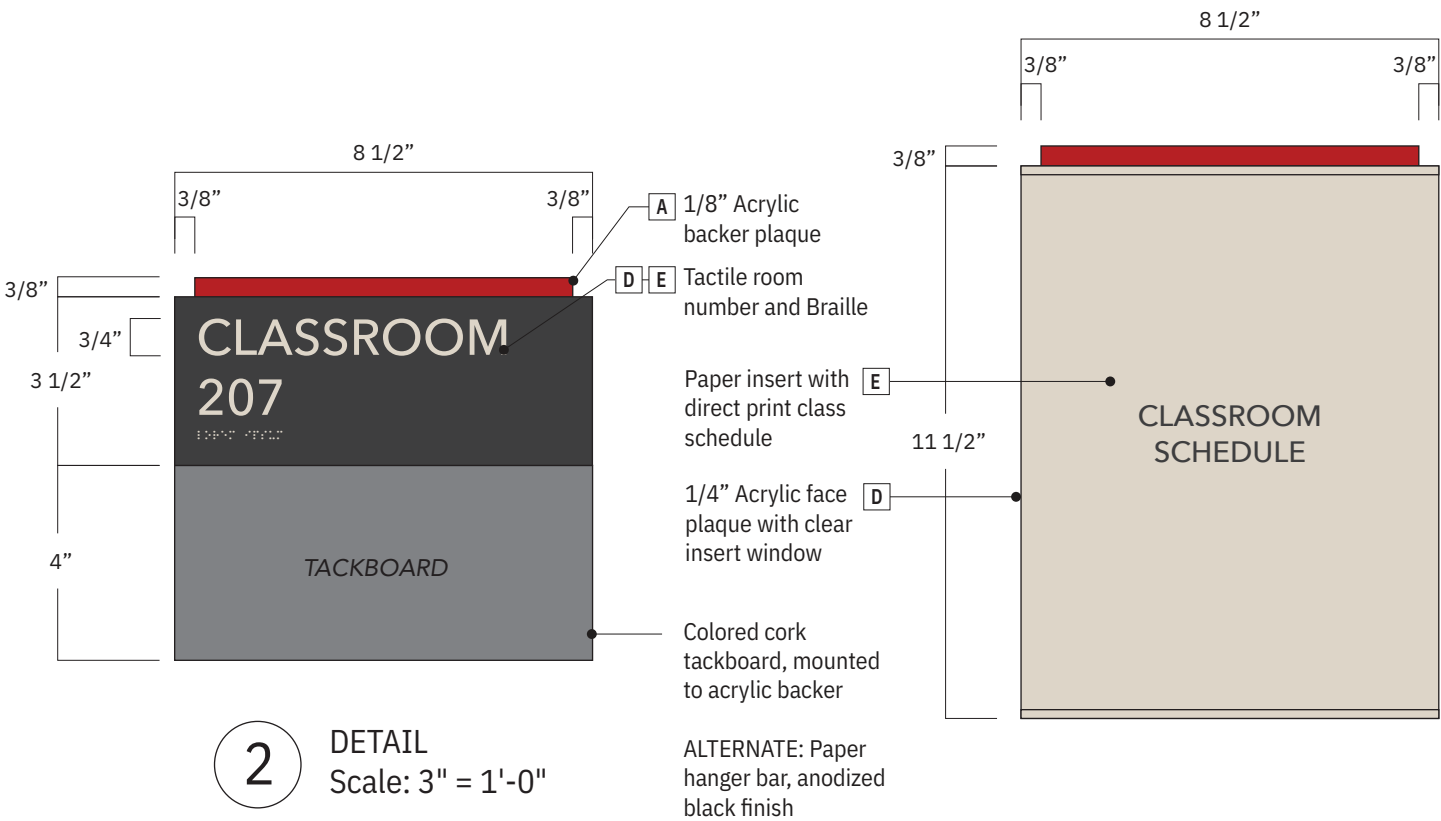
Sign shall be located centered within 18” clear floor space at latch side of door, or right side of double-doors. Sign to be mounted within 48” AFF as measured from baseline of Braille to 60” AFF as measured from baseline of top-most tactile text as required by building code.

Construction

Constructed of multiple-layers of cut acrylic sheet painted to match specifications. 3D printed tactile text and Braille as required by building code. Provide protective clear coat over all text.

Class schedule printed on heavy card stock insert into clear window.

Tackable cork panel or paper insert bar mounted directly below sign where desired.



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Wayfinding Flag Sign

All Campuses

Purpose

Identify classrooms, stairs, restrooms or other amenities at locations consistently across all campus buildings.

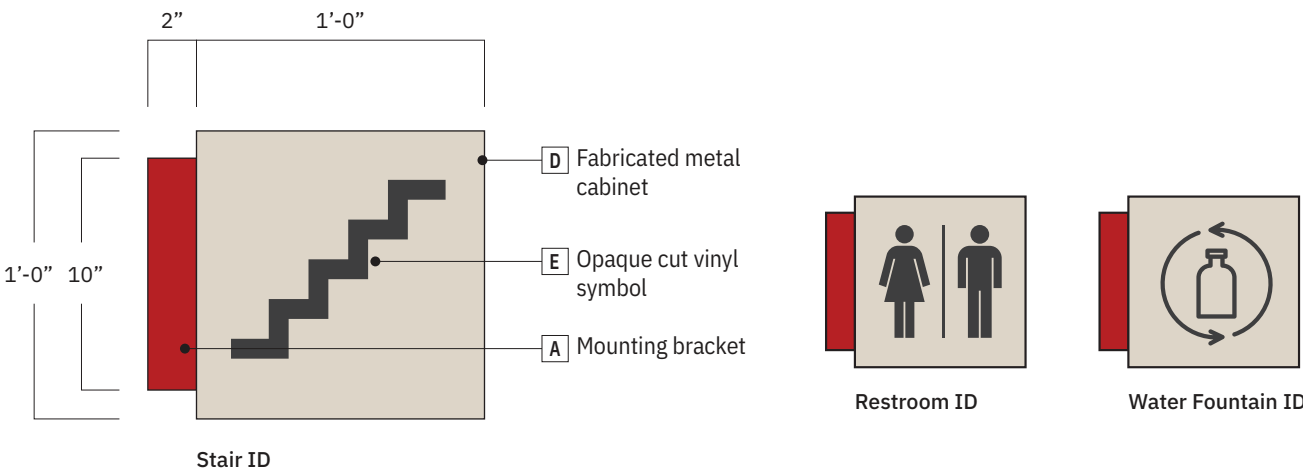
Placement

Sign shall be located adjacent to amenity entrance or location. Sign to be mounted minimum 84” AFF as measured from bottom of sign as required by building code.

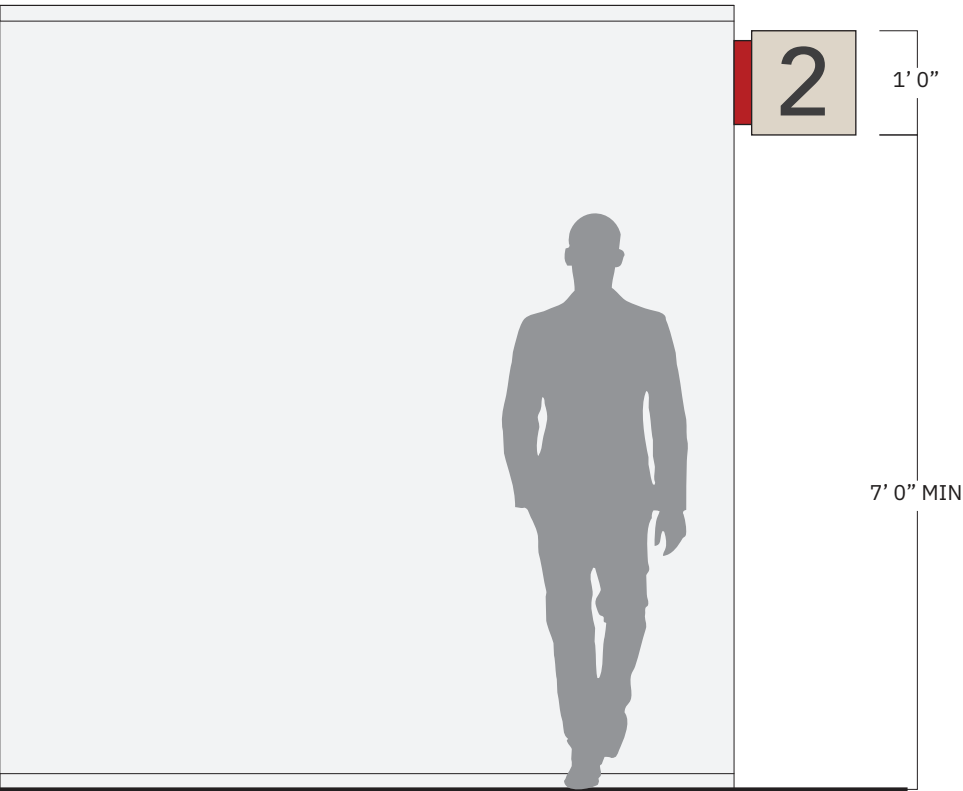
Construction

Constructed of aluminum u-channel bracket and acrylic sign panel faces painted to match specifications. Direct printed symbol or opaque vinyl application.

Mounted to wall with concealed mechanical screws into wall structure or backing.



2 DETAIL
Scale: 1 1/2" = 1'-0"



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Building Directory, Static

All Campuses

Purpose

Clearly identify building destinations and major interior destinations and amenities at primary building entrances and at elevators. Display the building name prominently to create a consistent identity. May be paired with wall-mounted building identification letters, as needed.

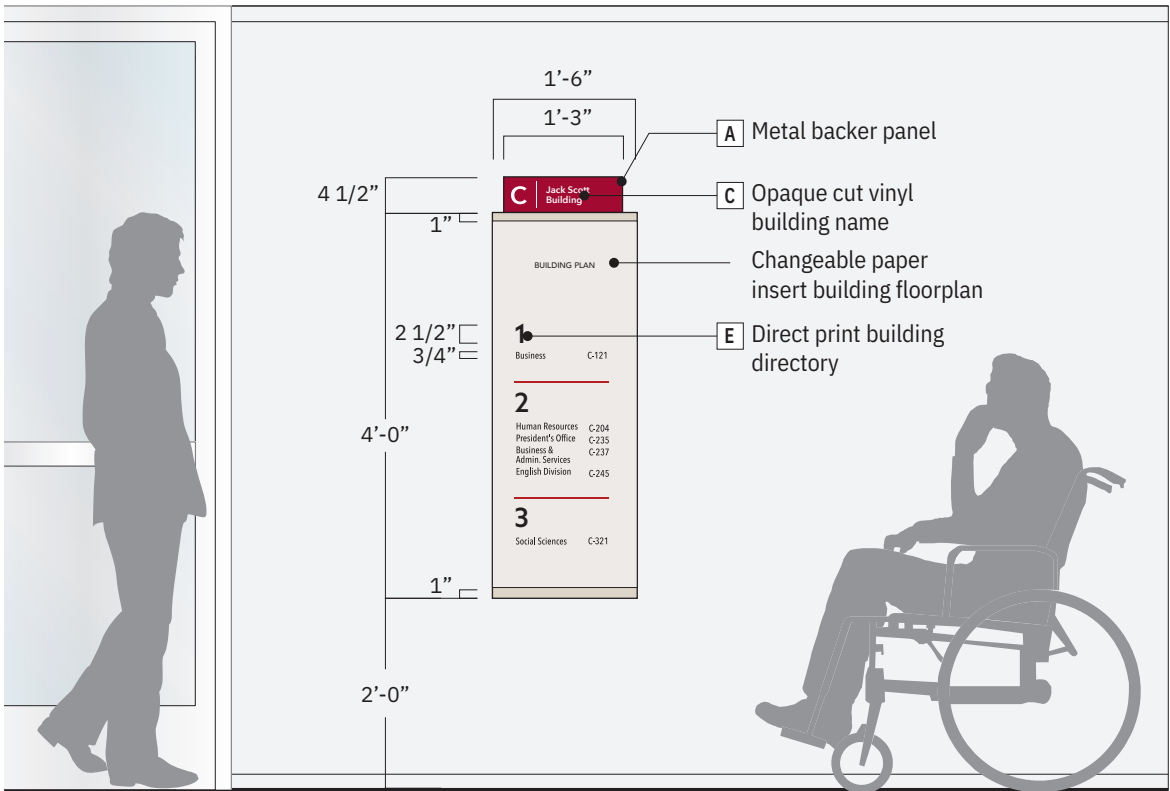
Placement

Sign shall be located prominently next to primary building entrances and at elevators on each building floor. Sign to be mounted to maximize sight lines from the primary approach. Multiple locations per building at primary entrances and elevators, as needed.

Construction

Constructed of aluminum backer panel painted to match specifications. Acrylic face panel with digitally-printed acetate insert for building floorplan and destination listing.

Mounted to wall with concealed mechanical z-clip hardware into wall structure or backing.



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Building Directory, Electronic

All Campuses

Purpose

Clearly identify building destinations and major interior destinations and amenities at primary building entrances and at elevators. Display the building name prominently to create a consistent identity. May be paired with wall-mounted building identification letters, as needed.

Electronic display screen to include interactive building floorplan and searchable building destination listing.

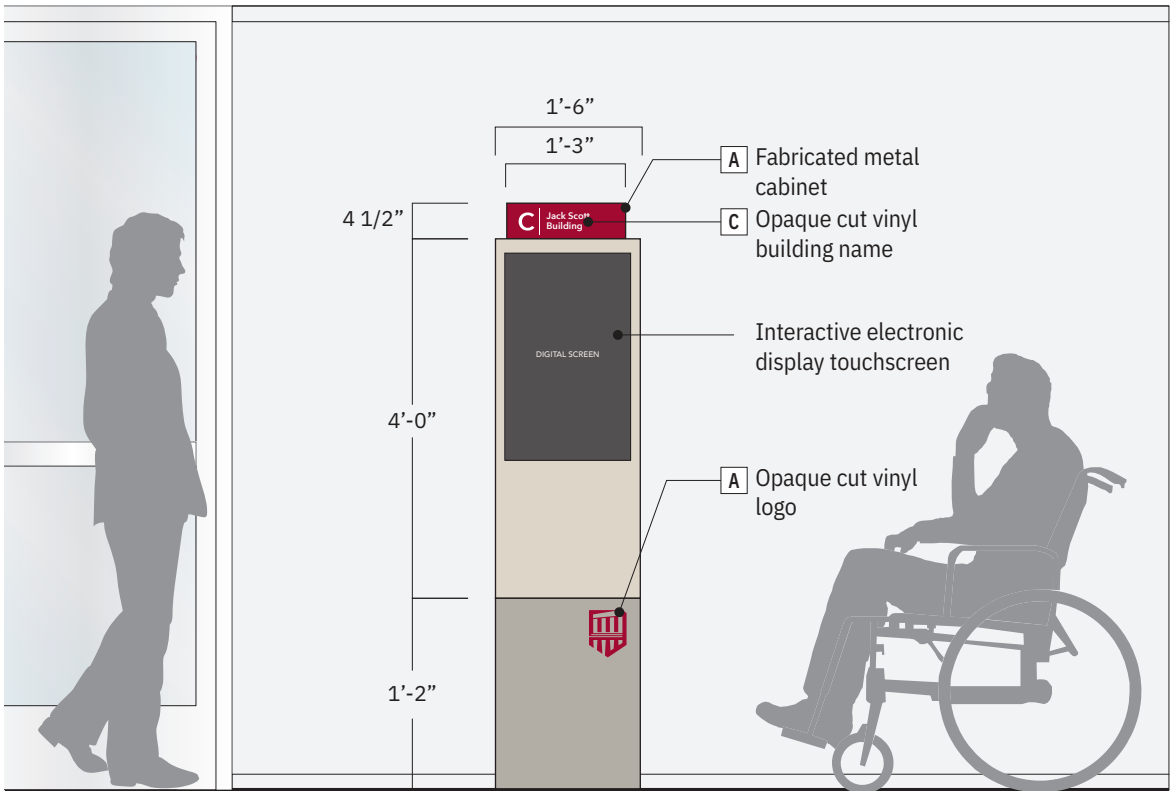
Placement

Sign shall be located prominently next to primary building entrances in major public lobbies and pathways. Sign to be mounted to maximize sight lines from the primary approach and provide accessible use and viewing by wheelchair. Multiple locations per building at primary entrances, as needed.

Construction

Constructed of freestanding aluminum cabinet painted to match specifications. Electronic display screen recessed into cabinet. All electrical connections and controller hardware concealed in cabinet. Electrical and data connections coordinated in field. Access panel and venting provided in cabinet as required.

Secured to finished floor with concealed bolt hardware.



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Wall-Mounted Building Directional

All Campuses

Purpose

Provide destination and directional information along interior building corridors. Display destination names prominently to create a consistent wayfinding information across campus.

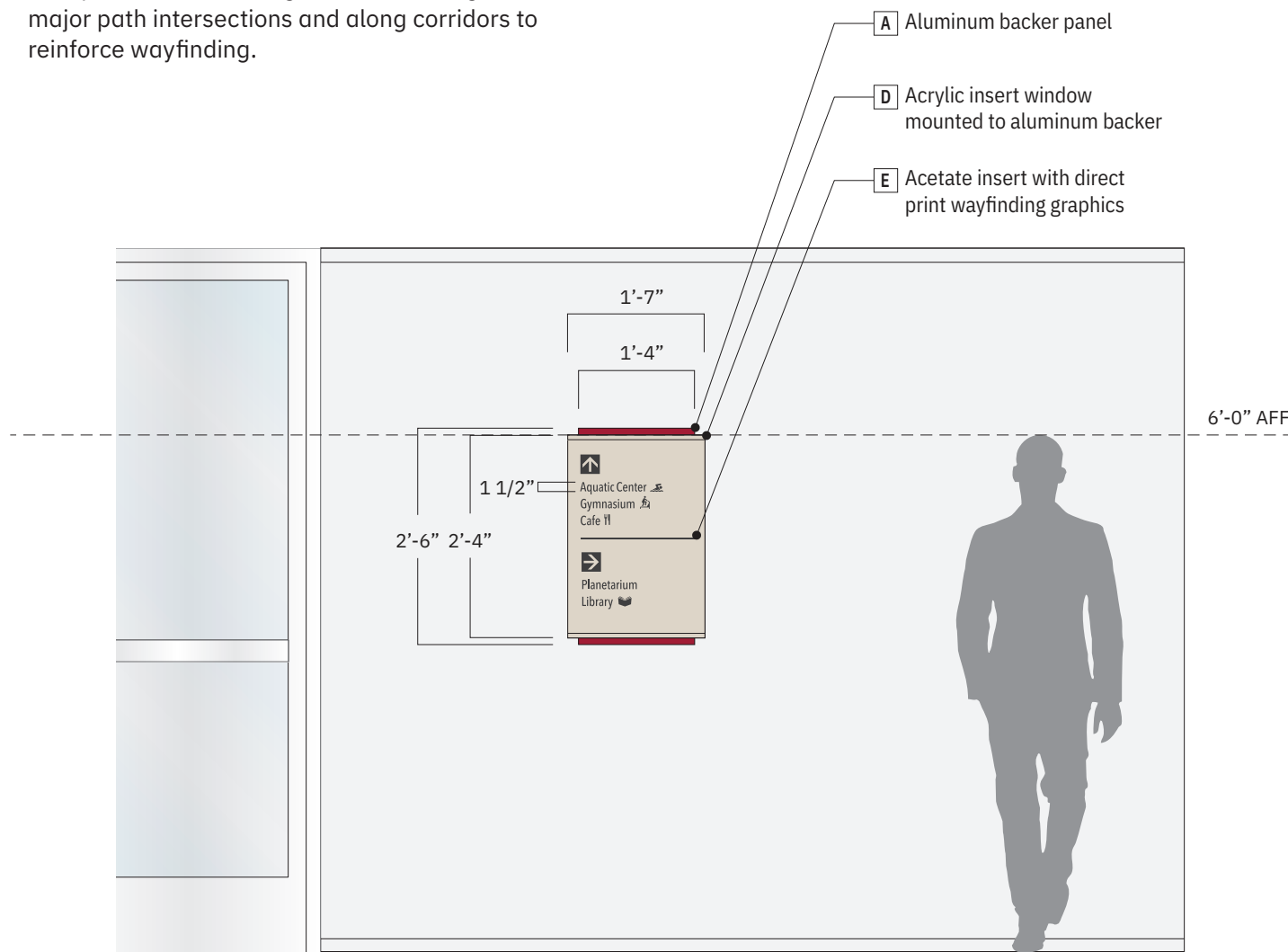
Placement

Sign shall be located prominently next to primary building corridors, located on interior walls near primary corridor intersections. Sign to be mounted to maximize sight lines from the primary approach. Multiple locations throughout the building at major path intersections and along corridors to reinforce wayfinding.

Construction

Constructed of aluminum backer panel painted to match specifications. Acrylic face panel with digitally-printed acetate insert for application.

Mounted to wall with concealed mechanical z-clip hardware into wall structure or backing.



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Overhead Building Directional

All Campuses

Purpose

Provide destination and directional information along interior building corridors. Display destination names prominently to create consistent wayfinding information across campus.

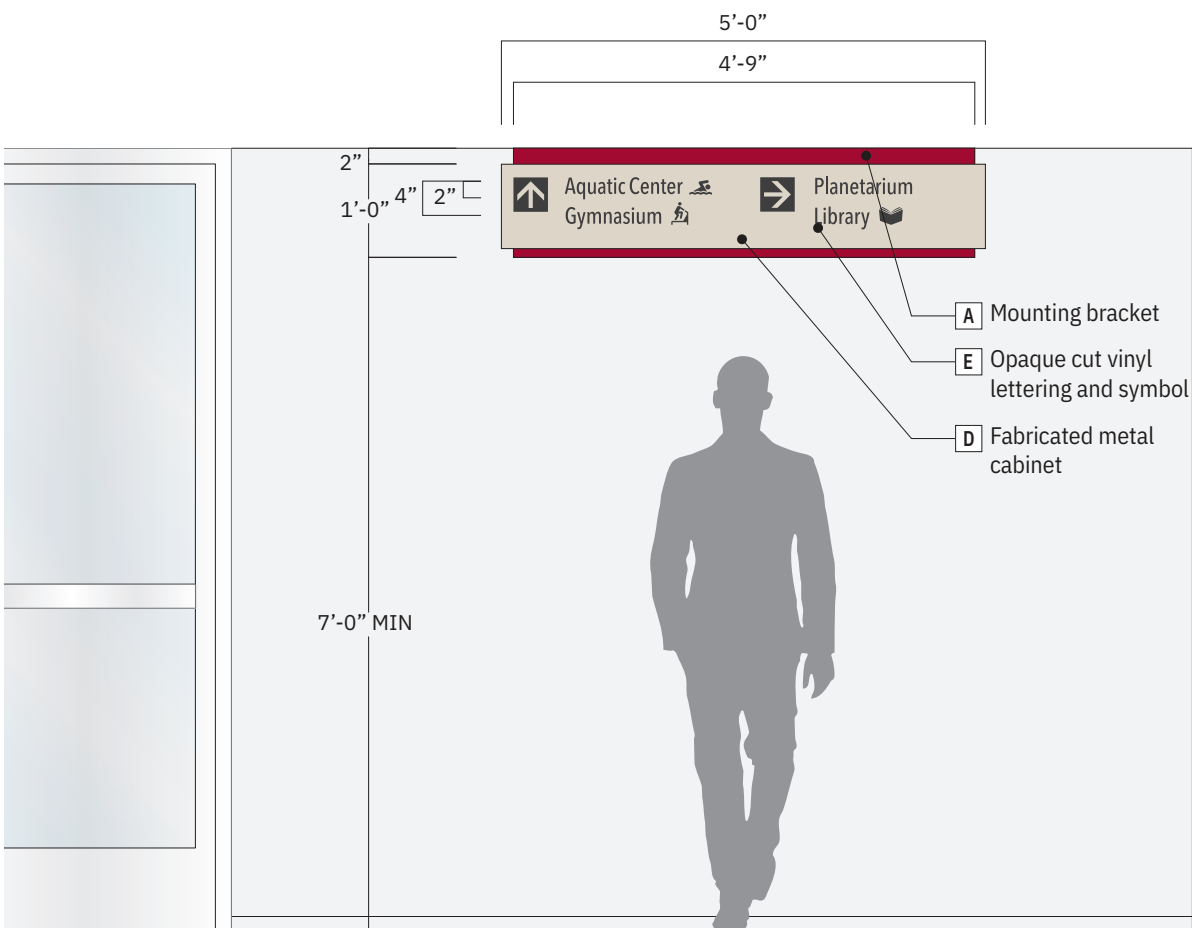
Placement

Sign shall be located prominently along primary building corridors and intersections. Sign to be mounted to maximize sight lines from the primary approach. Multiple locations throughout the building at major path intersections and along corridors to reinforce wayfinding.

Construction

Constructed of aluminum u-channel bracket and acrylic sign panel faces painted to match specifications. Direct printed text and symbols or opaque vinyl application.

Mounted to ceiling with concealed mechanical screws into ceiling structure or backing.



1 FRONT ELEVATION
Scale: 1/2" = 1'-0"

Placemaking

All Campuses

Purpose

The following placemaking recommendations are ideas to help enhance the overall campus sense of place. A variety of elements and locations may be implemented in various locations across campus.

The graphic approach to placemaking takes inspiration from the angular geometry of the PACCD brand. Intersecting patterns of colored triangles create an energetic and interconnected visual that activates the campus and utilizes an array of colors from the PACCD brand. The repeating pattern represents interconnectivity of students and the multi-faceted educational experience, makes reference to diversity and multi-culturalism, and provides a sense of excitement and forward momentum into anticipated careers.

The branded visual language strengthens and enhances the PACCD brand while connecting to students with academic and student-oriented messaging. Various interpretations of the PACCD brand help to create a dynamic visual language across campus that is engaging and reinforces a sense of place. This is intended to enhance student gathering areas and public spaces.



1.5

Color Palette

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1.5 Color Palette

The color palette provided only identifies the specific colors already in use through the campus which are intended to be used in similar applications to ensure a cohesive aesthetic that aligns with the district’s identity and enhances the visual appeal of the campus all while limiting attic stock of frequently used finishes.

The colors provided are not intended in any way to limit design ideas or inhibit creative design solutions but should only be used to easily identify widely used colors found throughout the campus.

Typical uses for these colors:

OKRA

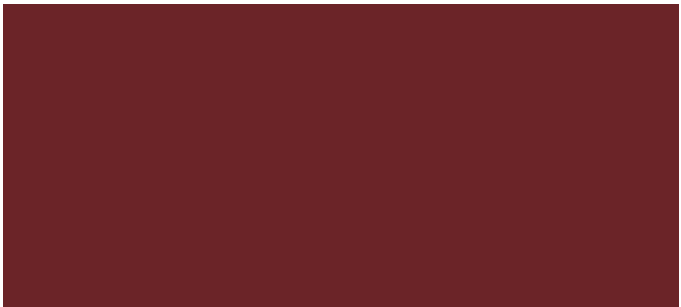
- Aluminum mullions
- Aluminum doors and door frames
- Hollow metal doors and door frames
- Exterior steel columns and beams
- Exterior canopies
- Metal panels
- Shadow box panels
- Spandrel panels
- All flashing associated with systems mentioned above
- Guardrails
- Signage

PCC MAROON

- Signage
- Accents



FRAZEE CUSTOM COLOR MATCH
Okra 5544D



DUNN EDWARDS CUSTOM COLOR MATCH
PCC Maroon: 0026-0127-11241

CEYLON IVORY

- Exterior building field color
- All flashing associated with field color

NATURAL WHITE

- Decorative details
- Cornice banding

SWISS COFFEE

- Interior walls
- Interior ceilings
- Interior soffits

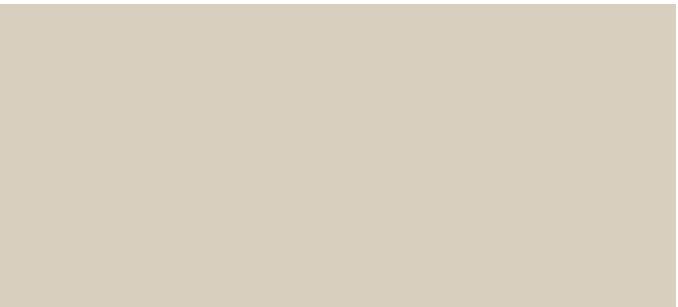
NATURAL MAPLE

This is the preferred wood species for the campus due to its aesthetic appeal and durability.

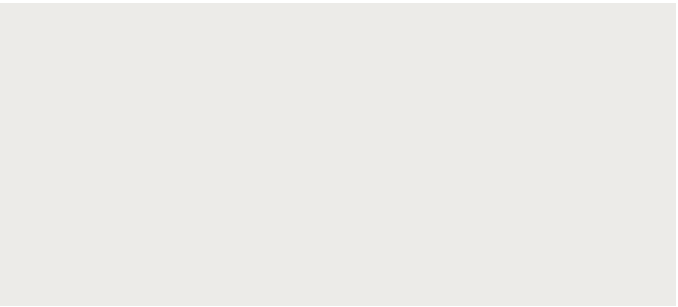
RUBBER BASE BOARD

Darker shades are recommended as they better withstand wear and tear caused by frequent scuffing and high foot traffic. Lighter gray tones should be reserved for areas with lower traffic to minimize maintenance challenges.

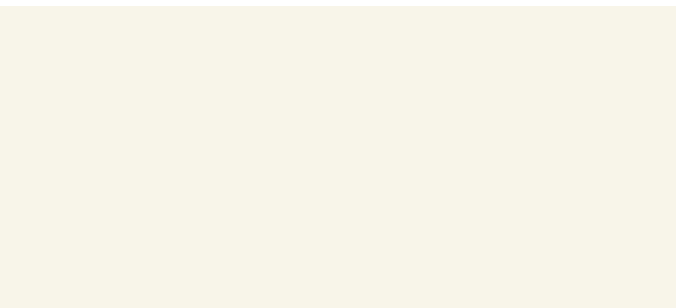
This section only identifies colors, the products and performance requirements will be detailed in the relevant specification sections in Part -2 of this document.



SHERWIN WILLIAMS
Ceylon Ivory FZ5370



SHERWIN WILLIAMS
Natural White SW9542



DUNN EDWARDS
Swiss Coffee DEW341



NATURAL MAPLE

1.6

Landscape & Planting Palette

1.6 Landscape & Planting Palette

The district has meticulously cultivated a sustainable planting palette for Pasadena Area Community College District that integrates with the existing campus environments. This palette is thoughtfully selected to contribute to the sustainable practices of the district, provide biodiversity, and elevate the cohesive aesthetic appeal of the landscaping design. Each species has been chosen not only for its visual harmony with the existing campus but also for its resilience and adaptability with the district's maintenance practices, ensuring enduring landscapes that inspire and thrive for generations.

Design and incorporate the sustainable plants complementing the existing campus landscape.





Breaklight Red Yucca



Buffalo Grass



California Lilac



Berkeley Sedge



Blue Elf Aloe



Blue Flame Agave



Caralina Fuchsia



Carmel Ceanothus



Coast Live Oak



Aloe Vera



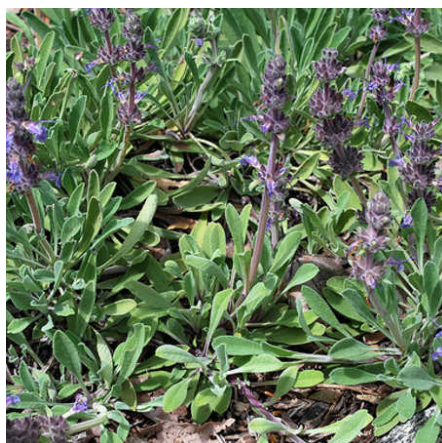
Arbutus Marina



Artichoke Agave



Coyote Bush



Creeping Sage



Deer Grass



Ghost Aloe



Grevillea



Hummingbird Sage



New Gold Lantana



Pacific Mist



Palo Verde



California Sagebrush



California Gray Rush



California Wild Rose



Sand Dune Sedge



Westringia



Yarrow



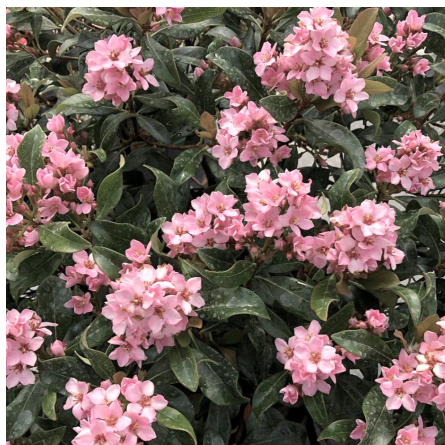
Pink Muhly



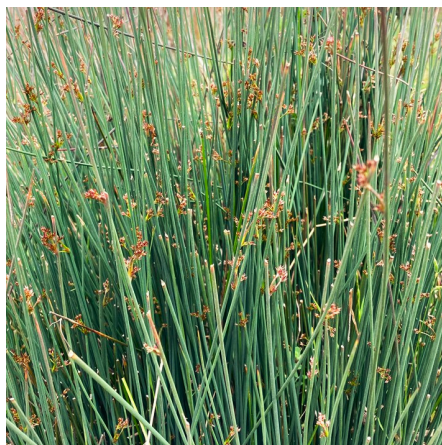
Rocky Mountain Beardtongue



Rosmarinus



Indian Hawthorne



Juncus Patens



Lace Fern



1.7

Attachment Details

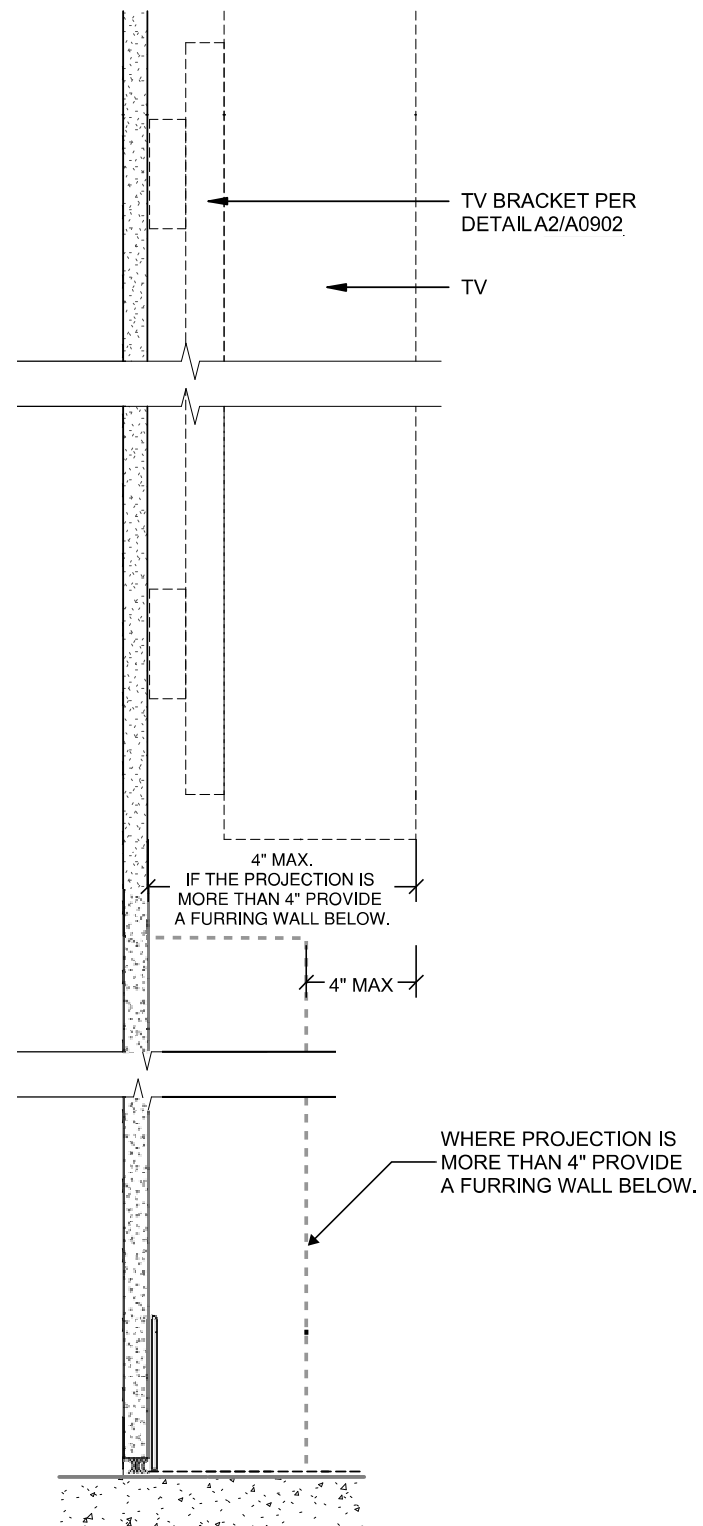
1.7 Attachment Details

The attachment details provided with the Pasadena Area Community College District Design Standards show general design intent. All attachment details should be designed by a qualified structural engineer with a license to practice in California. All attachment details should be approved by DSA. Attachment details for various components have additional requirements beyond the California building code, design teams need to utilize the relevant DSA Internal Reports (IRs).

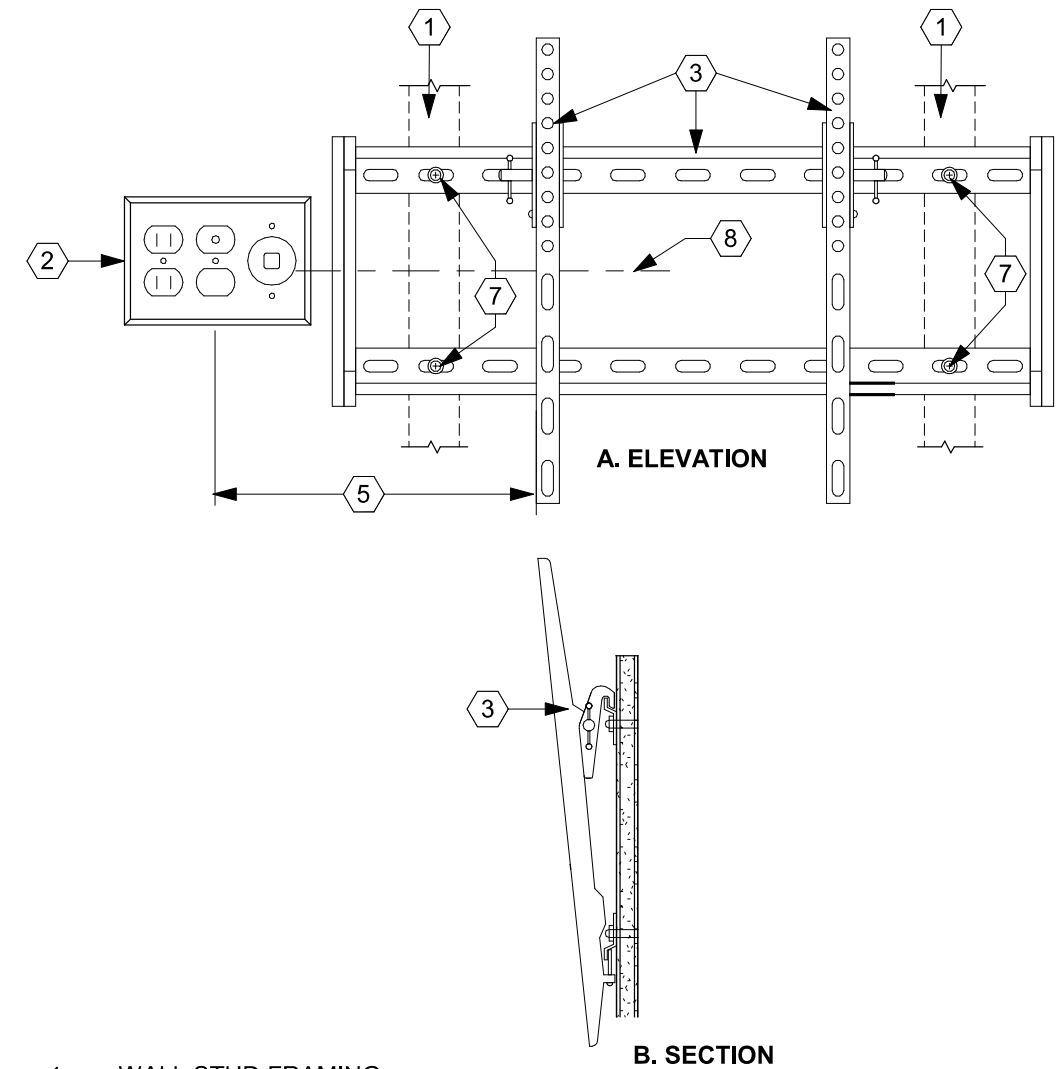
The details provided do not show the structural design support or backing since these items will be unique to each piece of fixture or equipment that is specific to the wall assembly to be mounted on. Applying these details in existing conditions requires understanding the existing substrate.

Design and incorporate durable materials with trusted construction techniques.



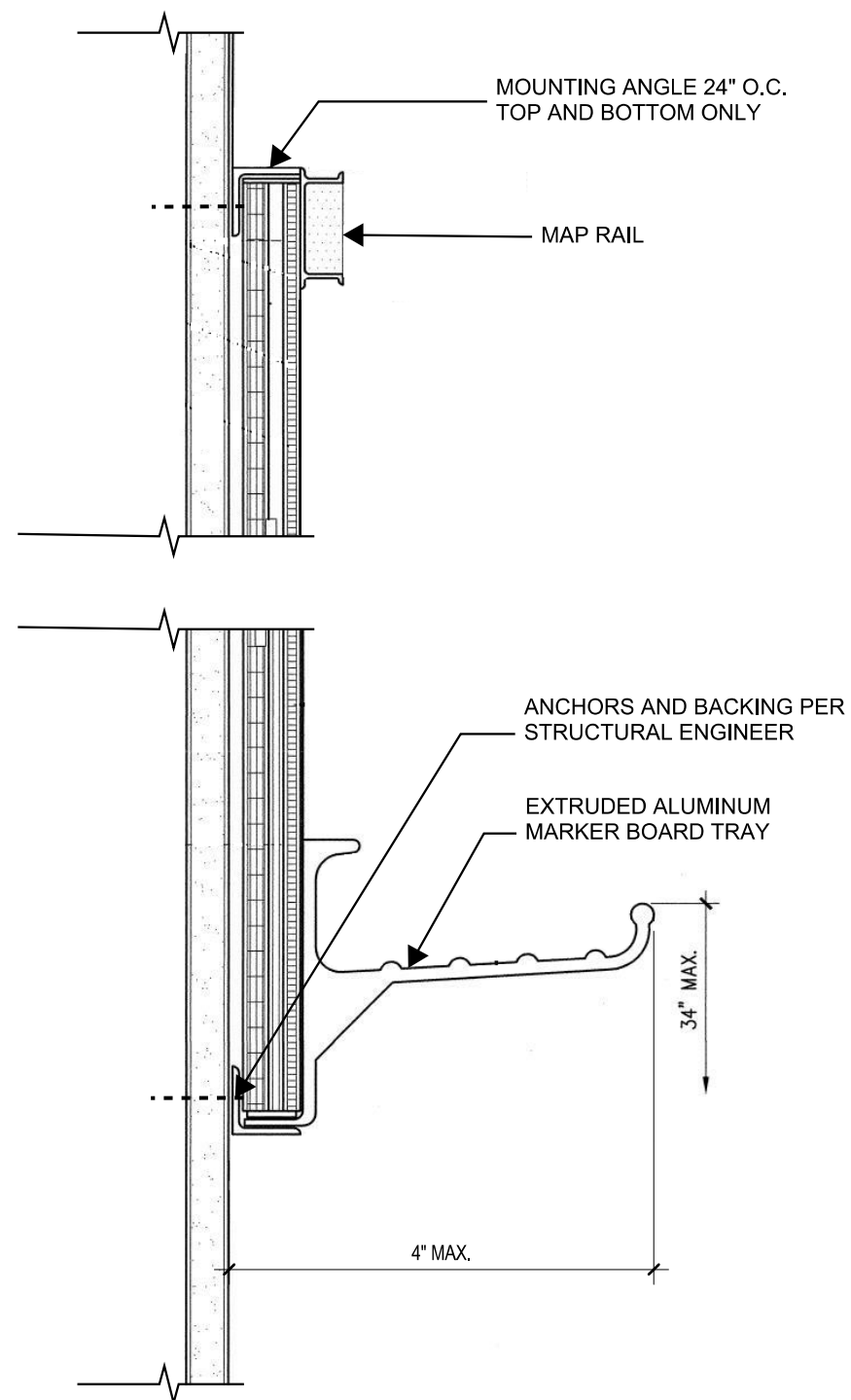


01 - Wall at TV Monitor & Smart Board

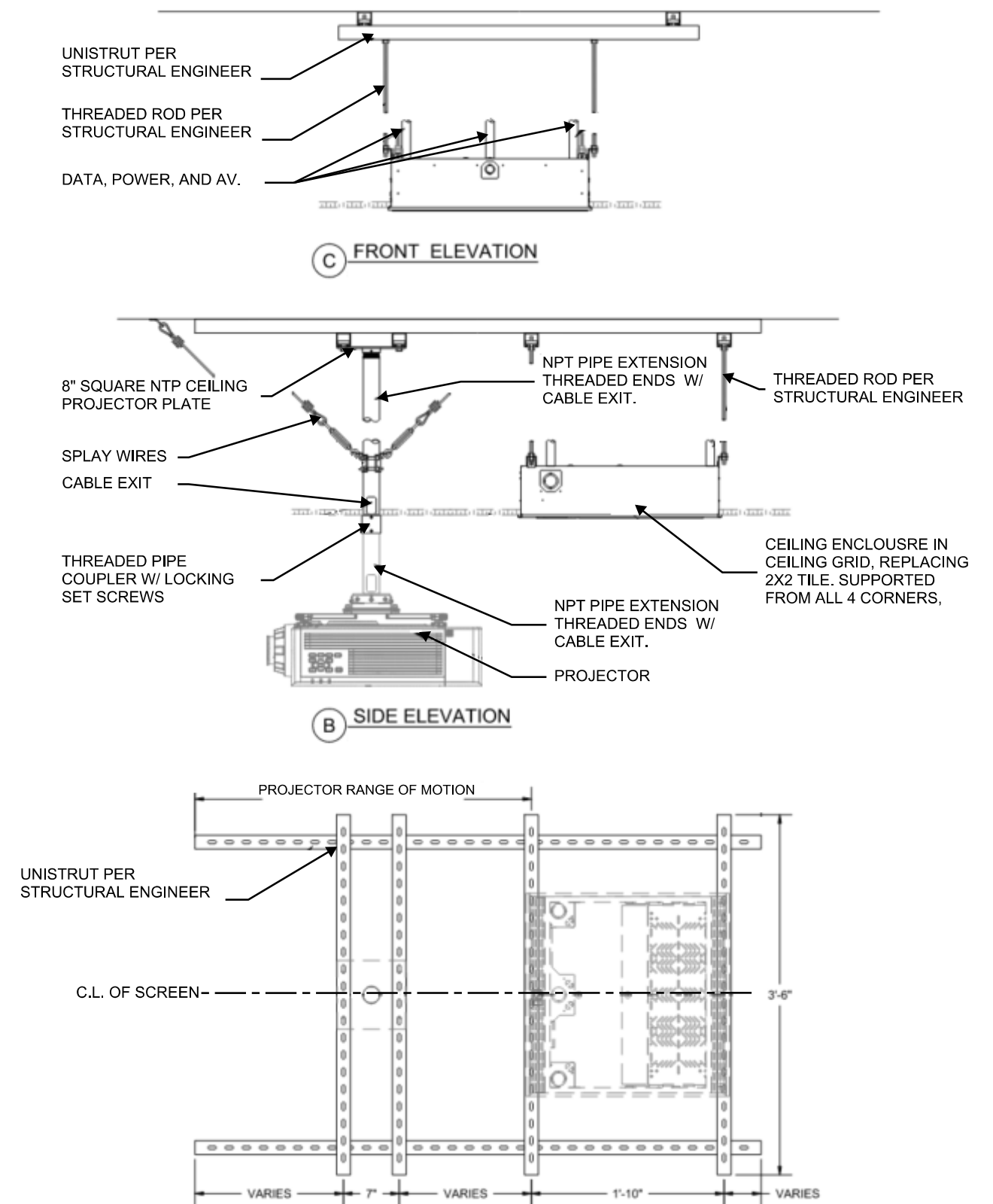


1. WALL STUD FRAMING
PER STRUCTURAL ENGINEER.
2. TV OR MONITOR ELECTRICAL
AND AV/DATA OUTLET BOX.
3. TV WALL MOUNT BRACKET
5. LOCATE OUTLET BOX IN
ADJACENT TO THE MOUNT
7. ANCHORS
PER STRUCTURAL ENGINEER.
8. INSTALLED MONITOR BELOW 80"
AFF SHALL NOT PROJECT MORE
THAN 4" FROM THE FACE OF
WALL FINISH.

02 - Wall Mount Bracket



03 - Marker Board Detail



04 - Projector Detail



Hazim Rabadi

CannonDesign
444 Flower St.
Los Angeles, CA 90071

cannondesign.com

Project No. 07459.00