



Universal Design Guidelines for San Diego Community College District

April 09, 2010



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UNIVERSAL DESIGN GUIDELINES MANUAL SAN DIEGO COMMUNITY COLLEGE DISTRICT

Sally Swanson Architects Inc. (SSA) is presenting this Progress Report to the San Diego Community College District for review and comment. The San Diego Community College District (SDCCD) remains committed to furthering Universal Design and encouraging architects to integrate Universal Design concepts into their work. To make it easier for architects to incorporate Universal Design principles in their projects, SDCCD commissioned SSA to develop the Universal Design Guidelines Manual. This Manual will concisely present the most common Universal Design principles and offer simple, straightforward examples of these principles either as being incorporated or missing in SDCCD projects. The Manual upon its completion will provide a best practice design guideline for implementing Universal Design standards.

The Universal Design Guidelines Manual is organized in three components: Site Elements, Building Elements, and Customer Service. Each component is comprised of sections which are the main categories of the standards. Each section has a set of related Performance Standards. These standards address how the Site, Built Elements and Customer Service at SDCCD satisfy the end user goals. The positive column standards are contrasted with the non-positive column standards and a set of Strategies is listed to identify these.

The Universal Design Guidelines Manual is not an Access Compliance Manual. While a lot has been written about Universal Design, it is still often equated with Access Compliance, the two concepts are however very different. The purpose of accessibility laws is to eliminate barriers in the built environment for use by people with disabilities. Universal Design, on the other hand, will provide improved usability and safety for all groups in the community. The goal is to extend the ideals of accessible design to everybody and recognize that improved usability enhances the value of the built environment for all of us.

The Standards cited in this report were developed in part with funding from the Global Universal Design Commission, Inc. (GUDC) and the National Institute on Disability and Rehabilitation Research (NIDRR), through the Rehabilitation Engineering Research Center on Universal Design and the Built Environment (RERCUD). Sally Swanson is a member of the GUDC Definitions and Ratings Committees.

We are available to answer any questions you may have. Please call or email Carlos Velilla, Project Manager at: carlosv@swanarch.com or Sally Swanson, Project Director at: sswanson@swanarch.com.



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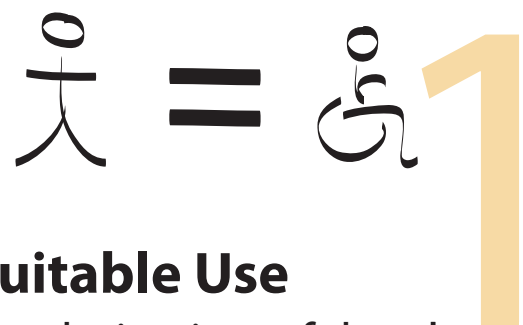
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Equitable Use

The design is useful and marketable to people with diverse abilities.

GUIDELINES:

- Provide the same means of use for all users: identical whenever possible; equivalent when not.
- Avoid segregating or stigmatizing any users.
- Provisions for privacy, security, and safety should be equally available to all users.
- Make the design appealing to all users.



Flexibility In Use

The design accommodates a wide range of individual preferences and abilities.

GUIDELINES:

- Provide choice in methods of use.
 - Accommodate right- or left-handed access and use. Facilitate the user's accuracy and precision.
- Provide adaptability to the user's pace.



Simple & Intuitive

Use of the design is easy to understand, regardless of the user's experience, knowledge, language skills, or current concentration level.

GUIDELINES:

Eliminate unnecessary complexity.

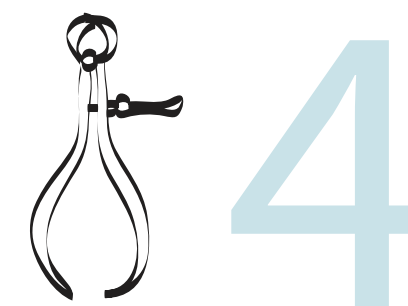
- Be consistent with user expectations and intuition.
 - Accommodate a wide range of literacy and language skills.
- Arrange information consistent with its importance.
- Provide effective prompting and feedback during and after task completion.

Tolerance For Error

The design minimizes hazards and the adverse consequences of accidental or unintended actions.

GUIDELINES:

- Arrange elements to minimize hazards and errors: most used elements, most accessible; hazardous elements eliminated, isolated, or shielded.
- Provide warnings of hazards and errors.
- Provide fail safe features.
- Discourage unconscious action in tasks that require vigilance.



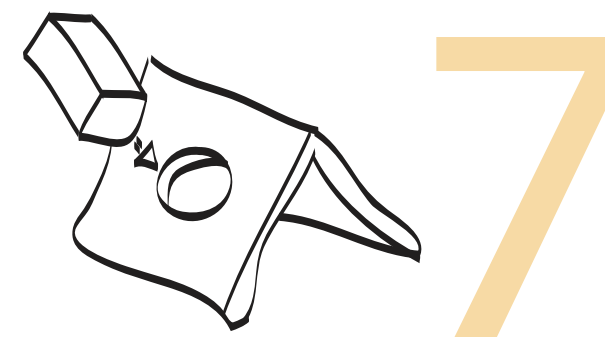


Perceptible Information

The design communicates necessary information effectively to the user, regardless of ambient conditions or the user's sensory abilities.

GUIDELINES:

- Use different modes (pictorial, verbal, tactile) for redundant presentation of essential information. Provide adequate contrast between essential information and its surroundings. Maximize "legibility" of essential information. Differentiate elements in ways that can be described (i.e., make it easy to give instructions or directions).
- Provide compatibility with a variety of techniques or devices used by people with sensory limitations.



Size & Space For Approach And Use

Appropriate size and space is provided for approach, reach, manipulation, and use regardless of user's body size, posture, or mobility.

GUIDELINES:

- Provide a clear line of sight to important elements for any seated or standing user.
- Make reach to all components comfortable for any seated or standing user. Accommodate variations in hand and grip size. Provide adequate space for the use of assistive devices or personal assistance.

Low Physical Effort

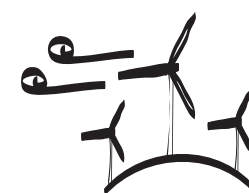
The design can be used efficiently and comfortably and with a minimum of fatigue.

GUIDELINES:

- Allow user to maintain a neutral body position.
- Use reasonable operating forces.
- Minimize repetitive actions.
- Minimize sustained physical effort



ADDITIONAL CONSIDERATIONS



Sustainability



Safety



Life Cycle Cost



Definitions

Principles of Universal Design



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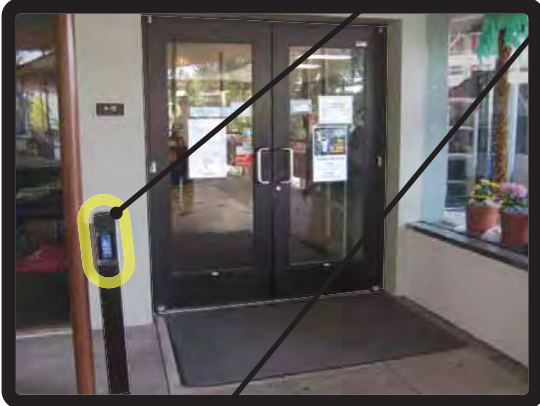
LEGEND: how to read your UD Guidelines Report

- ① Sub-Sub-section Identification Number
UD Guidelines "Sub-SUB- Section" number.
- ② Specific Principle
Targeted principles.
- ③ Universal Design 7 Principles
illustrates how the pictured item(s) rates for each particular UD principle: Green being good, yellow average, red slash poor.
- ④ Critical Area Relative to Principle
Emphasized picture of item illustrates main point of interest.
- ⑤ Rating System
Rating key.
- ⑥ Campus I.D.
Campus identifier, and Locator number, Identifies where pictured item can be found.
- ⑦ Met & Missed Principles
Brief description on the UD Principles that have been met and/or missed.
- ⑧ Section Number
UD Guidelines section number
- ⑨ Sub-section Number
Identifies the targeted Building or Site Element being reviewed.

2.1.3

Passing Through
Building
Entrances & Exits

①②③④⑤⑥⑦⑧



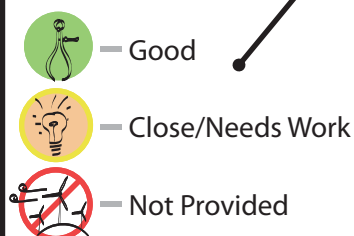
SDCC ①⑥
Campus ID #

Doors/gates are automatic and are manually activated and do not require the use of hands ; width of entrances and exits accommodate the expected traffic volume and largest wheeled mobility devices



SDCC ①⑦
Campus ID #

Doors/gates are not automatic and manually activated and requires the use of hands



Section: 2

Site Elements: 2.1 Building Elements
San Diego Community College District



Ratings Methodology: how to rate your environment

Universal Design refers to a broad-spectrum solution that produces buildings, products and environments that are usable and effective for everyone, not just people with disabilities. It emerged from "barrier-free" or "accessible design" and "assistive technology" and recognizes the importance of how things look and how things are used in relation to its users and its environment. Although UD is related to "accessible design," "universal design" goes above and beyond the minimum access requirements. Compiled in this manual are pictured samples illustrating various site and building elements that have been filtered through the seven principles of UD. We examined one specific element (Pictured example: Door/Gate), and developed a simple three seal rating system, much like the "Universal Traffic Signal System." For the purpose of this report, the color green instead of representing "right of way," indicates that the specific element (in the examples case the door on the left) has high marks for applying the seven principles of Universal Design. The door on the right side of the page has only one green seal for "Size & Space for Approach," four yellow seals for: "Equitable Use," "Flexibility in Use," "Tolerance for Error," and "Low Physical Effort." These principles although not entirely missed could have been further developed. The "Red Slash" seal illustrates that both "Simple and Intuitive," and "Perceptible Information" were entirely missed while in the design process.



— Good



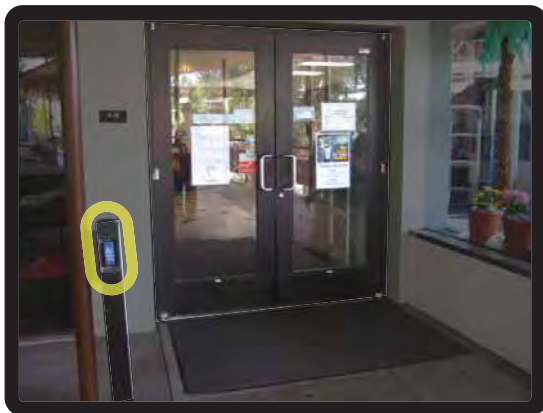
— Close/Needs Work



— Not Provided

2.1.3

Passing Through
Building
Entrances & Exits

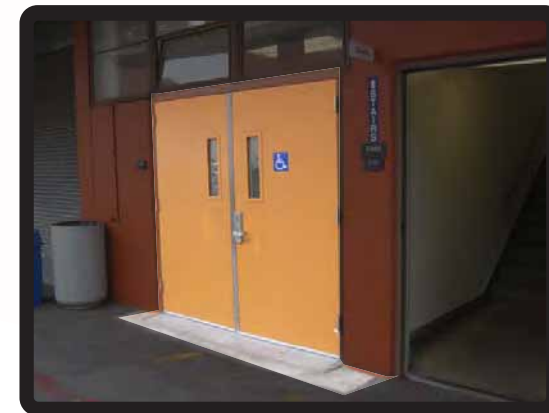


SDCC 16
Campus ID #

Doors/gates are automatic and are manually activated and do not require the use of hands ; width of entrances and exits accommodate the expected traffic volume and largest wheeled mobility devices

SDCC 17
Campus ID #

Doors/gates are not automatic and manually activated and requires the use of hands



Section: 2

Site Elements: 2.1 Building Elements
San Diego Community College District



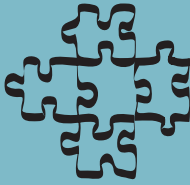
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Equitable Use



Flexibility In Use



Simple & Intuitive



Perceptible Information



Tolerance For Error



Low Physical Effort



Size & Space For Approach And Use



Sustainability



Safety



Life Cycle Cost

1.1 Site Entrances and Exits

- 1.1.1 Location
- 1.1.2 Street Crossings
- 1.1.3 Approach
- 1.1.4 Information

1.2 Site Circulation

- 1.2.1 Pathway Network
- 1.2.2 Pathway Edges
- 1.2.3 Pathway Surfaces
- 1.2.4 Pathway Illumination
- 1.2.5 Resting Areas
- 1.2.6 Stairs and Ramps
- 1.2.7 Pathway Security

1.3 Transit and Parking

- 1.3.1 Transit Stops
- 1.3.2 Transit Shelters
- 1.3.3 Alternative Transportation
- 1.3.4 Circulation in Parking
- 1.3.5 Parking
- 1.3.6 Parking Payment Systems
- 1.3.7 Loading and Waiting Areas
- 1.3.8 Microclimate

1.4 Building Relationships

- 1.4.1 Site Relationships

1.5 Outdoor Amenities

- 1.5.1 Location
- 1.5.2 Restrooms
- 1.5.3 Water Fountains
- 1.5.4 Public Information Displays
- 1.5.5 Seating Areas
- 1.5.6 Waste Receptacles
- 1.5.7 Plantings
- 1.5.8 Animal Care



Site Elements

Section: 1

San Diego Community College District



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1.1.1

Location

Site entrances or exits are conveniently located and distinguishable from their surroundings



SDCC	1
Campus	ID #

Signs identify all site access points and paths of travel choices at decision point

SDCC	2
Campus	ID #

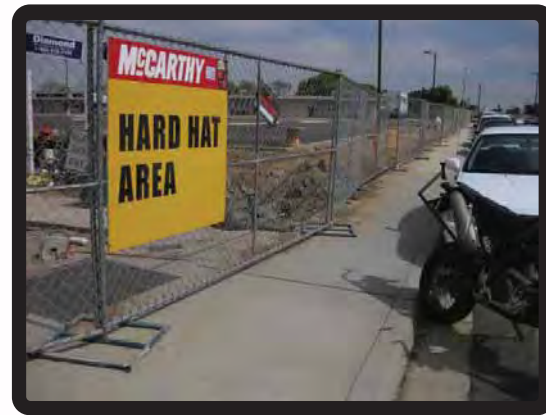
Signs do not identify all site access points and paths of travel choices at decision point; need directional signage to alternate route; tactile or texture needed



1.1.1

Location

Site entrances or exits are conveniently located and distinguishable from their surroundings



Mesa	1
Campus	ID #

If construction limits access to entrances or exits, signs need to provide information on alternative routes (better approach)

Mesa	2
Campus	ID #

Signage need to provide information on alternative routes



1.1.2

Street Crossing

Street crossings protect pedestrians from conflicts with vehicular traffic



Mesa	3
Campus	ID #

Curb ramps are as wide as adjacent crosswalks to avoid "bottlenecks"; boundaries of safe crossing zones use color and tactile markings; audible communications.

Miramar	1
Campus	ID #

Boundaries of safe crossing zones do not use color; audible and visual communications not provided



Section: 1

Site Elements: 1.1 Site Entrances and Exits San Diego Community College District



1.1.3

Approach

Primary approach routes are safe, convenient and provide users with choices

1.1.4

Information

Visitors to the site have access to all the information they need at site access points to learn that resources are available on site and where they are located

1.1.4

Information

Visitors to the site have access to all the information they need at site access points to learn that resources are available on site and where they are located

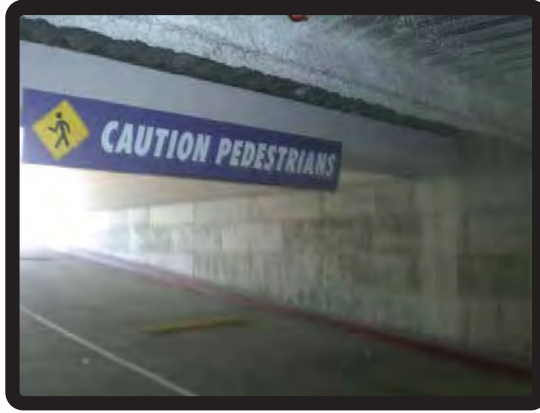


-  Good
-  Close/Needs Work
-  Not Provided

Section: 1

Site Elements: 1.1 Site Entrances and Exits

San Diego Community College District



Mid-City	1
Campus	ID #

Warning for vehicle and drivers when approaching pedestrian and bicycle crossing

Miramar	2
Campus	ID #

Warning not legible for vehicle and drivers when approaching pedestrian and bicycle crossing



ECC	1
Campus	ID #

Signs provide directions to major site destinations, e.g. general parking locations, priority parking, key entries and services

Snyder	1
Campus	ID #

All destinations are not visible from each site access point



Mesa	4
Campus	ID #

Signs provide directions to major site destinations, e.g. general parking locations, priority parking, key entries and services

SDCC	3
Campus	ID #

All destinations are not visible from each site access point; signs do not provide directions to major site destinations, e.g. general parking locations, priority parking, key entries and services (misleading signage)



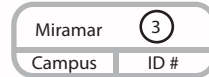
1.2.2

Pathway Edges

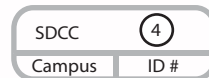
Pathway edges have clearly marked boundaries and protect pedestrians from vehicular traffic

Pathway Edges

Pathway edges have clearly marked boundaries and protect pedestrians from vehicular traffic

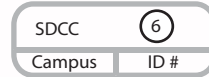


Mesa	5
Campus	ID #



SDCC	5
Campus	ID #

A photograph of a street scene. In the foreground, a concrete sidewalk with expansion joints runs diagonally. A red diamond-shaped sign with a white border and a pattern of small white dots is mounted on a metal post. Behind the sign is a low metal fence and some green shrubbery. In the background, a dark-colored car is parked on a grassy area next to a paved road. Further back, other vehicles and buildings are visible under a clear sky.



SDCC	7
Campus	ID #



Site Elements: 1.2 Site Circulation

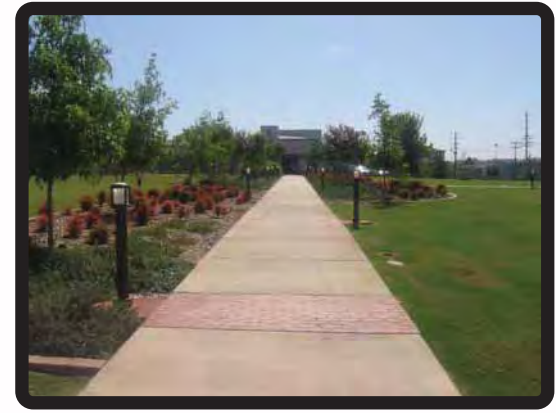
San Diego Community College District



1.2.3

Pathway Surfaces

Pathway surfaces are smooth and clear of obstacles



Miramar 4
Campus ID #

Pathways are wide enough to accommodate expected traffic flow; area constructed with permeable but stable surface materials; no potential obstructions exist on or above the path of travel; finish topography diverts water away from pathways

Mesa 5
Campus ID #

Paved tracks not provided in areas where cobblestones, sand, pea gravel or other loose or course textures are used on pathways (no distinction between vehicular, bicycle, and pedestrian paths)



1.2.4

Pathway Illumination

Pathway illumination enhances perception, orientation and security



SDCC 8
Campus ID #

Continuous illumination on pathways without hotspots or glare; no strong shadows on pathway surfaces

Mesa 7
Campus ID #

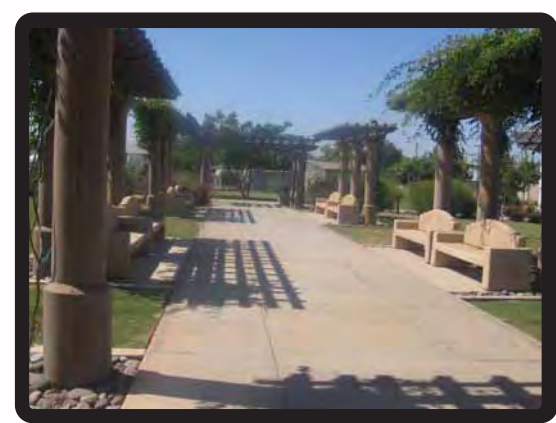
No continuous illumination on pathways without hotspots or glare; strong shadows on pathway surfaces



1.2.5

Resting Areas

Resting areas are available along steep or long pathways



Miramar 4
Campus ID #

Resting areas are out of circulation path; seating available; variety of seating options not available to accommodate all ages and statures; protection from climate extremes

Mesa 8
Campus ID #

Resting areas are within the circulation path; different types of seating not available; protection from climate extremes not provided



- Good
- Close/Needs Work
- Not Provided

Section: 1

Site Elements: 1.2 Site Circulation
San Diego Community College District



1.2.6

Stairs and Ramps

Stairs and ramps are safe, convenient and comfortable for all users

1.2.6

Stairs and Ramps

Stairs and ramps are safe, convenient and comfortable for all users

1.2.6

Stairs and Ramps

Stairs and ramps are safe, convenient and comfortable for all users



SDCC 9
Campus ID #

Railings at multiple heights facilitate grasping; ramp has minimal slope; width is maintained

Miramar 6
Campus ID #

Pathway width and landing restricted due to vegetation; no cues on rails indicating landings

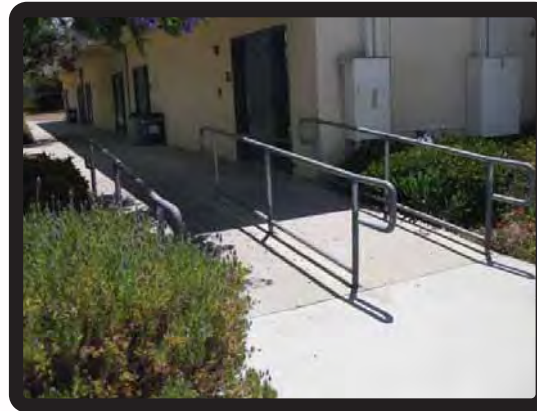
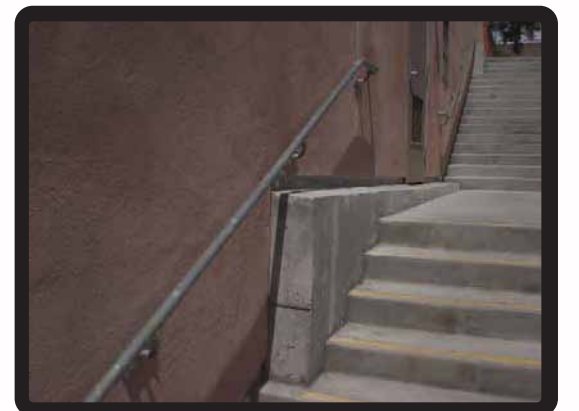


Mesa 9
Campus ID #

Railing facilitates grasping; railings at multiple heights; risers and treads are contrasting colors

Snyder 2
Campus ID #

Railing provided does not facilitate grasping; stair width not maintained; abrasive wall surfaces next to railings



Mesa 10
Campus ID #

Ramp has minimal slope; width is maintained; ramps run in the direction of travel where ever possible

Mesa 11
Campus ID #

Ramp slope exceeds minimum slope; railing not provided



Section: 1

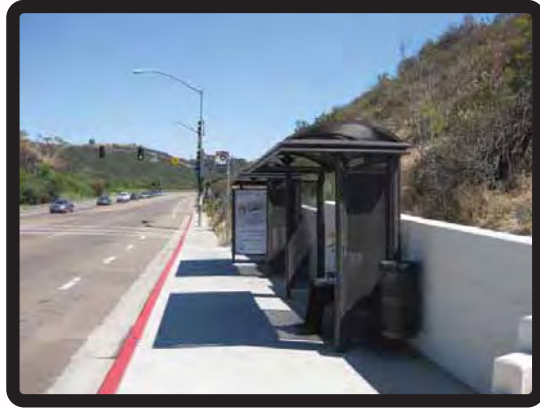
Site Elements: 1.2 Site Circulation
San Diego Community College District



1.3.1

Transit Stops

Transit stops are conveniently located and support use of transit by all users



Mesa 12
Campus ID #

Transit stops clearly marked with routes served; seating and standing areas available to accommodate the expected traffic; a protected area is provided that accommodates at least one wheeled mobility device; route and schedule information available in print form

Miramar 7
Campus ID #

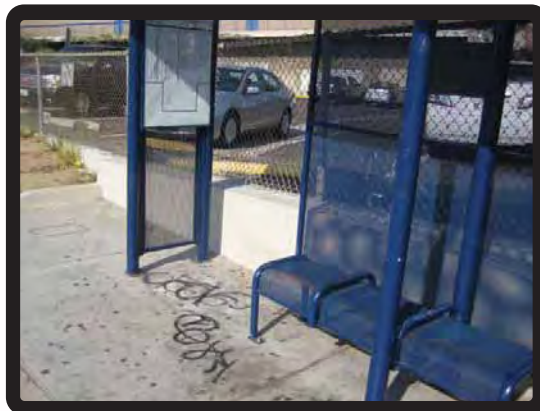
Route and schedule information is not available in print form; transit stop not located near major building entrances



1.3.2

Transit Shelter

Shelter protects transit riders from weather, ensure safety and convenience and contribute to the improvement of the neighborhood

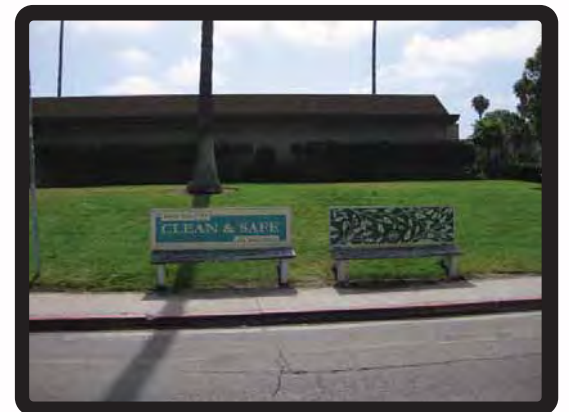


SDCC 10
Campus ID #

Shelter provided to protect transit riders; transit schedule or route maps available; seating inside shelter

Mesa 13
Campus ID #

Shelter not provided to protect transit riders; no shelter enclosure; no transit schedule or route maps available



1.3.3

Alternate Transportation

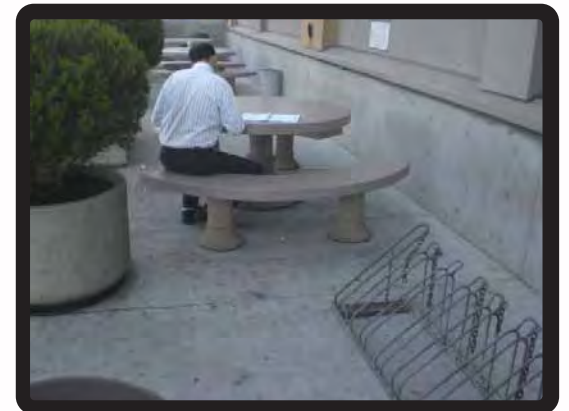


Mesa 14
Campus ID #

Bicycle paths on site terminate at or very near building entrances; bicycle paths have resting stations/areas that still permit the paths to continue on through the site; bicycle parking areas do not obstruct main circulation path

Mid-City 2
Campus ID #

Bicycle parking areas obstruct main circulation path



Section: 1

Site Elements: 1.3 Transit and Parking San Diego Community College District



1.3.4

Circulation in Parking

Adequate safety and security is provided for pedestrians in parking areas



Mesa 7
Campus ID #

Pedestrian protected pathways/islands are provided; speed limits clearly posted

Miramar 8
Campus ID #

Main vehicular travel paths are not separated from pedestrian routes and lots.



1.3.5

Parking

Adequate, convenient, and alternate parking available in clearly marked areas



SDCC 11
Campus ID #

Designated priority parking areas close to building entrances but are not available for all users; parking spaces are clearly marked or striped

Mesa 16
Campus ID #

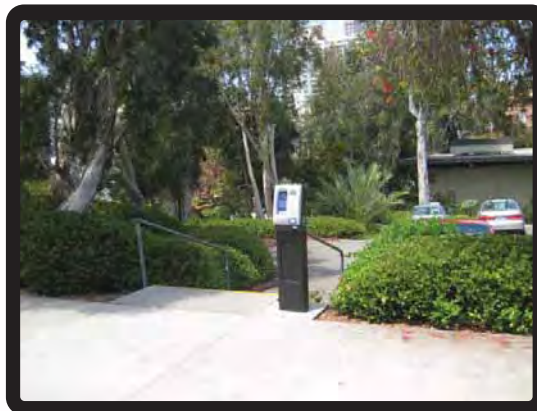
Parking spaces are not clearly marked or striped



1.3.6

Parking Payment Systems

Simple convenient and efficient parking systems are used



SDCC 12
Campus ID #

Payment machines located on the pedestrian path of travel to destinations

Mesa 25
Campus ID #

Vehicular pull-up at parking info and payment kiosk.



Section: 1

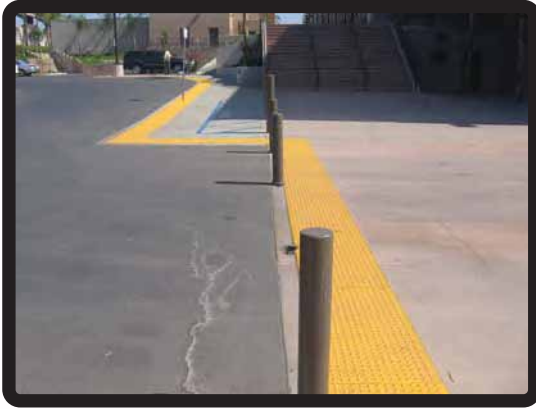
Site Elements: 1.3 Transit and Parking San Diego Community College District



1.3.7

Circulation in Parking

Adequate safety and security is provided for pedestrians in parking areas



Miramar 9
Campus ID #

Marked with signs, pavement markings, paving materials, etc; pull offs for loading and waiting do not interfere with through traffic; physical protections are provided between vehicular and pedestrian areas (i.e. bollards, planters, etc.)



ECC 2
Campus ID #

Pull offs for loading and waiting interfere with through traffic; physical protections are not provided between vehicular and pedestrian areas (i.e. bollards, planters, etc.)



1.3.8

Microclimate



Miramar 10
Campus ID #

Deciduous trees to afford sunlight; islands with plantings; mature canopy trees planted to cover at least 50 percent of paved surfaces; trees and buildings provide shaded locations



Mesa 17
Campus ID #

Mature canopy trees not planted to cover at least 50 percent area; trees and buildings do not provide shaded locations



1.3.8

Microclimate



Miramar 11
Campus ID #

Deciduous trees to afford sunlight; islands with plantings; mature canopy trees planted to cover at least 50 percent of paved surfaces; trees and buildings provide shaded locations



Mesa 18
Campus ID #

Deciduous trees not provided to afford sunlight; mature canopy trees not planted to cover at least 50 percent area; trees and buildings do not provide shaded locations



Section: 1

Site Elements: 1.3 Transit and Parking San Diego Community College District



1.4.1

Site Relationships

Users can locate and access buildings safely and conveniently

1.4.1

Site Relationships

Users can locate and access buildings safely and conveniently

1.4.1

Site Relationships

Users can locate and access buildings safely and conveniently



Section: 1

Site Elements: 1.4 Building Relationships

San Diego Community College District

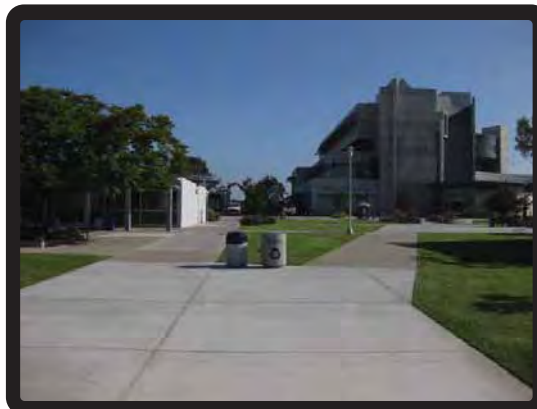


Mesa 19
Campus ID #

Designated pedestrian paths of travel connect all buildings without crossing parking lots or major vehicular traffic routes; indoor connections or walkways between buildings available to reduce exposure to inclement weather; pedestrian circulation on the site is smoothly integrated with local pedestrian routes

Mesa 20
Campus ID #

Designated pedestrian paths of travel connect all buildings without parking of vehicular interruption

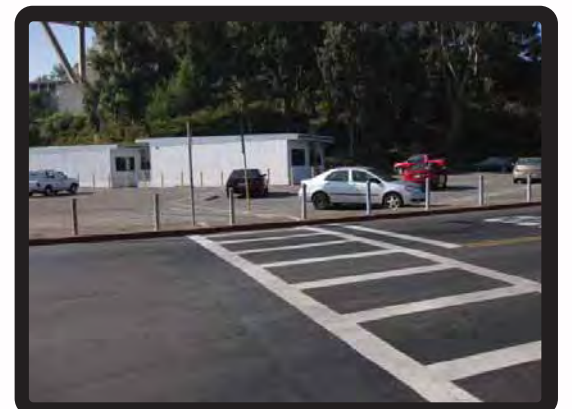


Mesa 21
Campus ID #

Designated pedestrian paths of travel connect all buildings without crossing parking lots or major vehicular traffic routes; pedestrian circulation on the site is smoothly integrated with local pedestrian routes

Mesa 22
Campus ID #

Designated pedestrian paths of travel connect all buildings without parking of vehicular interruption

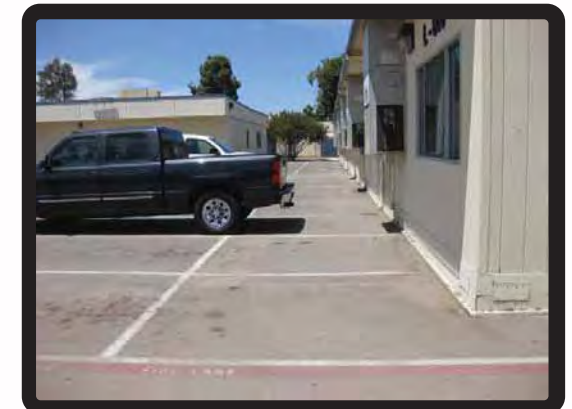


Mesa 23
Campus ID #

Designated pedestrian paths of travel connect all buildings without crossing parking lots or major vehicular traffic routes; pedestrian circulation on the site is smoothly integrated with local pedestrian routes

Mesa 24
Campus ID #

Designated pedestrian paths of travel connect all buildings without parking of vehicular interruption



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1.5.1

Location

Amenities are located in safe and convenient locations



SDCC 13
Campus ID #

Entrances or gathering places within sight of primary circulation paths; identified by a distinctive form, color and/or signs; located in well lit and public places, where users are not isolated or at risk

Mesa 25
Campus ID #

Amenities are not located in safe and convenient locations



1.5.3

Water Fountains

Water fountains are available and usable for people with a wide range of sizes



Mesa 26
Campus ID #

At least two heights for spigots at any location; facility for filling up personal water containers; activation feature requires little effort

Miramar 12
Campus ID #

At least two heights for spigots at any location are not provided; does not have activation feature that requires little effort; does not have at least three heights - children, wheeled mobility users, standing adults not provided



1.5.4

Public Information Displays

Public information displays are available and provides access for all users



Mesa 5
Campus ID #

Text is large enough to read from the expected viewing distance; text and figures have high contrast

Mesa 28
Campus ID #

Text is not large enough to read from the expected viewing distance; text and figures do not have high contrast; surfaces are not free from glare from the expected viewing location; illumination or backlighting for readability at night not provided



Section: 1

Site Elements: 1.5 Outdoor Amenities San Diego Community College District



1.5.5

Seating Areas

Site furniture is accessible, conveniently located and comfortable

1.5.5

Seating Areas

Site furniture is accessible, conveniently located and comfortable

1.5.6

Waste Receptacle

Waste receptacles are convenient to use

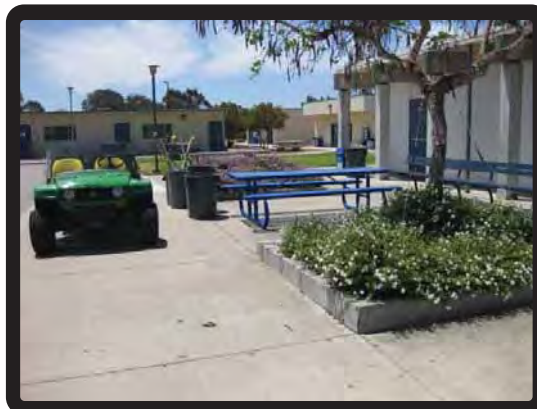
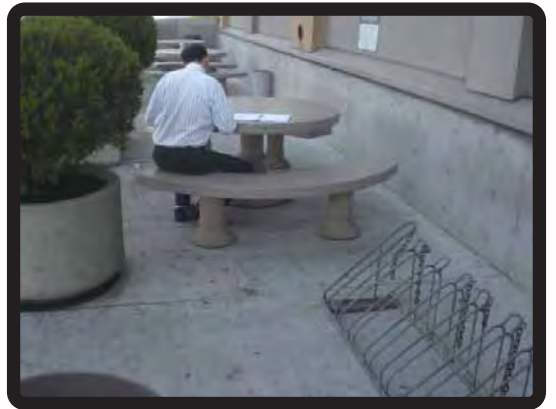


Mesa 29
Campus ID #

On an accessible path of travel; different types of seating available; seating clusters facilitate face to face conversation without twisting bodies; choices provided for different diurnal and seasonal conditions, e.g. shade as well as sun, and different activities and social groups

Mid-City 2
Campus ID #

Not on an accessible path of travel; seating clusters do not facilitate face to face conversation without twisting bodies; choices not provided for different diurnal and seasonal conditions, e.g. shade as well as sun, and different activities and social groups



Mesa 30
Campus ID #

On an accessible path of travel; different types of seating available; seating clusters facilitate face to face conversation without twisting bodies; lightweight, movable furniture

Navajo 1
Campus ID #

Not on an accessible path of travel; different types of seating available seating clusters do not facilitate face to face conversation without twisting bodies; tables provide knee and toe clearance on at least one side

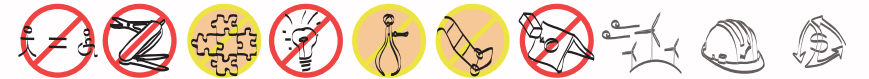


SDCC 14
Campus ID #

On an accessible path of travel; receptacles usable with only one hand, e.g. open tops, slots and push doors; recycling containers not provided wherever garbage receptacles are located

Mesa 31
Campus ID #

Not on an accessible path of travel; recycling containers not provided wherever garbage receptacles are located



- Good
- Close/Needs Work
- Not Provided

Section: 1

Site Elements: 1.5 Outdoor Amenities

San Diego Community College District



1.5.7

Plantings

Plantings present no danger to any visitors

1.5.7

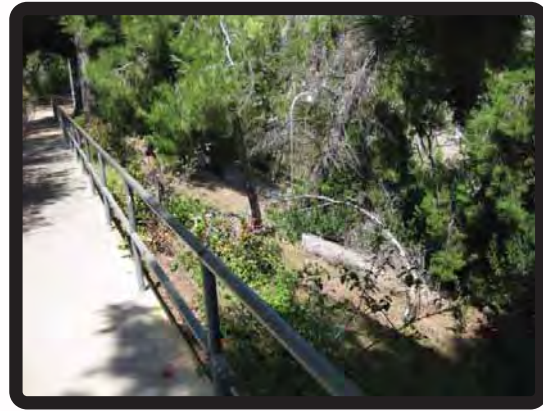
Plantings

Plantings present no danger to any visitors

1.5.7

Plantings

Plantings present no danger to any visitors



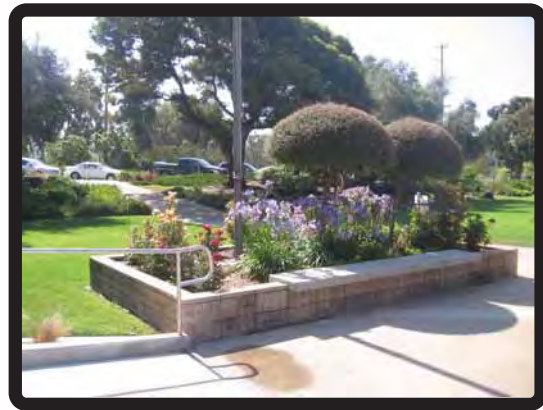
Mesa 32
Campus ID #

Plants that shed leaves and fruit located in places where they will not create slipping hazards; sharp and thorny plants do not protrude into the path of travel



Miramar 13
Campus ID #

Plants that shed leaves and fruit located in places where they will create slipping hazards; sharp and thorny plants protrude into the path of travel



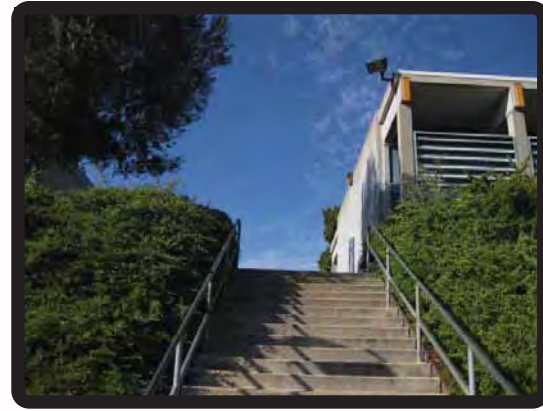
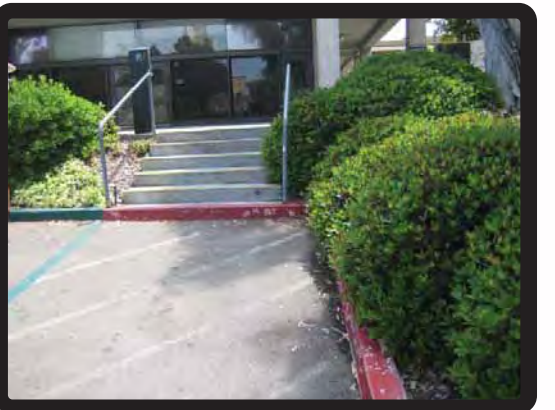
Miramar 14
Campus ID #

Plants that shed leaves and fruit located in places where they will not create slipping hazards; sharp and thorny plants do not protrude into the path of travel



SDCC 15
Campus ID #

Plants that shed leaves located in places where they will create slipping hazards; sharp and thorny plants protrude into the path of travel and limits the use of handrails



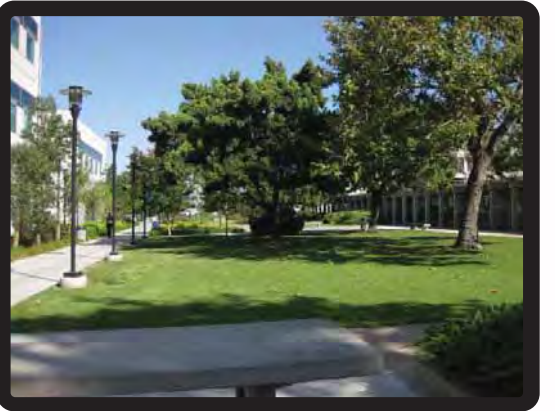
Miramar 14
Campus ID #

Plants that shed leaves and fruit located in places where they will not create slipping hazards; sharp and thorny plants do not protrude into the path of travel



SDCC 15
Campus ID #

Plants that shed leaves located in places where they will create slipping hazards; sharp and thorny plants protrude into the path of travel and limits the use of handrails



- Good
- Close/Needs Work
- Not Provided

Section: 1

Site Elements: 1.5 Outdoor Amenities

San Diego Community College District

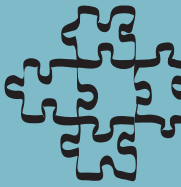




Equitable Use



Flexibility In Use



Simple & Intuitive



Perceptible Information



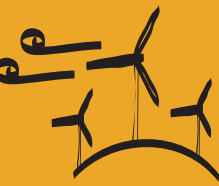
Tolerance For Error



Low Physical Effort



Size & Space For Approach And Use



Sustainability



Safety



Life Cycle Cost

2.1 Building Entrances and Exits

- 2.1.1 Finding Building Entrances/Exits
- 2.1.2 Approach to Building Entrances/Exits
- 2.1.3 Passing through Building Entrances/Exits

2.2 Building Circulation Systems

- 2.2.1. Space Planning
- 2.2.2. Hallways and Corridors
- 2.2.3. Ramps and Stairs
- 2.2.4. Mechanical Circulation Systems
- 2.2.5. Building Circulation Safety

2.3 Space Relationships

- 2.3.1 Reception, Ticketing and Waiting Areas
- 2.3.2 Finding Destinations
- 2.3.3 Spatial organization

2.4 Assembly Spaces

- 2.4.1 Entrances and Exits
- 2.4.2 Aisles
- 2.4.3 Seating
- 2.4.4 Illumination
- 2.4.5 Acoustics
- 2.4.6 Thermal Comfort

2.5 Restrooms

- 2.5.1 Entry
- 2.5.2 Number of fixtures
- 2.5.3 Circulation
- 2.5.4 Lavatory and Grooming Area
- 2.5.5 Toilet stalls
- 2.5.6. Toilets and Grab Bars
- 2.5.7 Urinals
- 2.5.8 Waste Disposal
- 2.5.9 Floors



Section: 2

Building Elements

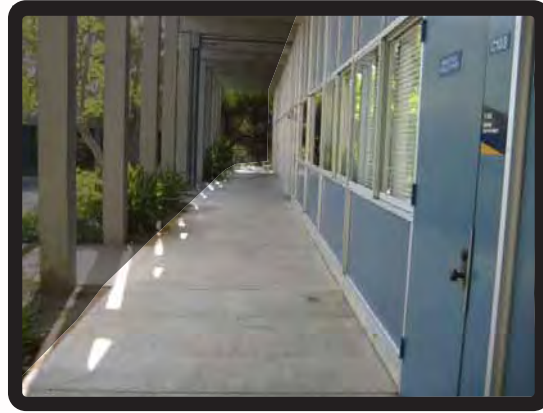
San Diego Community College District



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2.1.1

Finding Building Entrances & Exits



Mesa 33
Campus ID #

Entrances provide the shortest and most direct route to key destinations in the building; entrances located on the side of the building where they would be expected

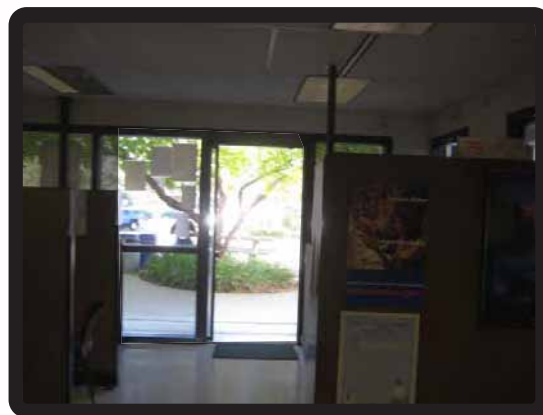
ECC 3
Campus ID #

Entrances do not provide the shortest and most direct route to key destinations in the building



2.1.2

Approach to Bldg. Entrances & Exits



Mesa 34
Campus ID #

Automatic doors/gates in approach areas such as display courts

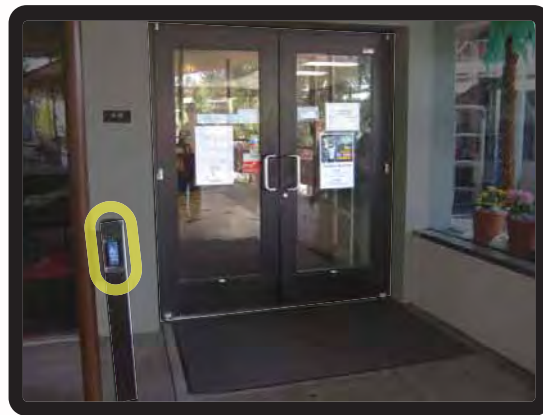
Mesa 34
Campus ID #

There are no areas to pause or wait without impeding circulation



2.1.3

Passing Through Building Entrances & Exits



SDCC 16
Campus ID #

Doors/gates are automatic and are manually activated and do not require the use of hands ; width of entrances and exits accommodate the expected traffic volume and largest wheeled mobility devices

SDCC 17
Campus ID #

Doors/gates are not automatic and manually activated and requires the use of hands



Section: 2

Building Elements: 2.1 Building Entrances and Exits

San Diego Community College District



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ARCHITECTS, INC.

2.3.1
Reception,
Ticketing &
Waiting Areas
*A designated area is
provided for people
waiting for service*

2.3.1
Reception,
Ticketing &
Waiting Areas
*A designated area is
provided for people
waiting for service*

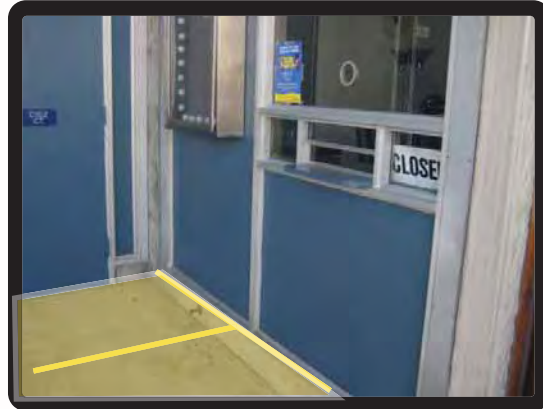
2.3.2
Finding
Destinations
*Users are able to find
their destinations and
maintain a sense of
orientation*



- Good
- Close/Needs Work
- Not Provided

Section: 2

Building Elements: 2.3 Space Relationships
San Diego Community College District



SDCC 38
Campus ID #

The floor area accommodates the expected size of queues during regular conditions; an overflow area is nearby to accommodate peak crowds; the layout of waiting areas eliminate conflicts between customers waiting and those already being served; waiting customers are protected from adverse weather

Mesa 34
Campus ID #

The floor area does not accommodate the expected size of queues during regular conditions; an overflow area is nearby to accommodate peak crowds, but not sheltered; the layout of waiting areas do not eliminate conflicts between customers waiting and those already being served; waiting customers are not protected from adverse weather; seating is not provided

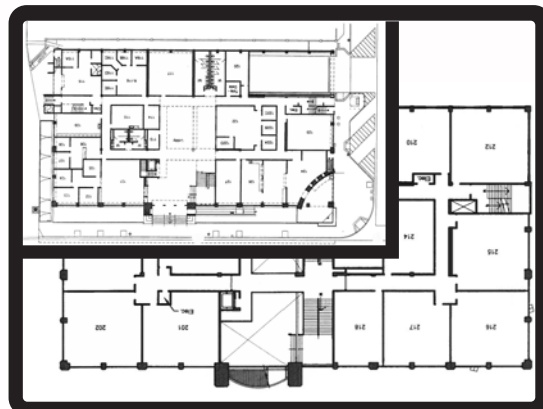
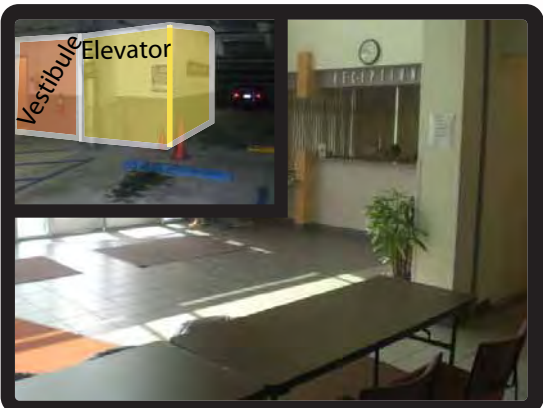


Mesa 39
Campus ID #

The floor area accommodates the expected size of public during regular conditions; the layout of waiting areas eliminate conflicts between customers waiting and those already being served

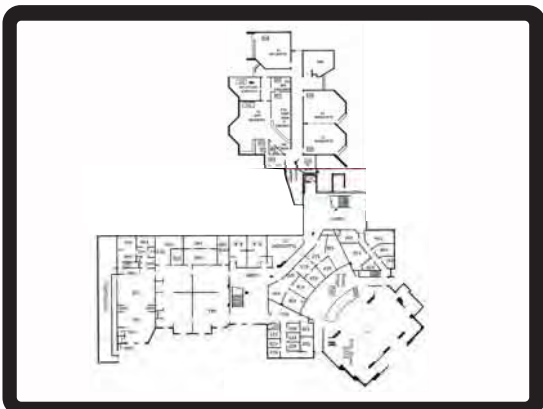
Mid City 3
Campus ID #

Floor area primarily around the elevator vestibules, and elevators themselves do not accommodate the expected size of public during regular conditions



Repetitive building features and services like restrooms, drinking fountains, elevators and emergency exits located in the same place on each floor in a multi-story building; rooms and spaces all have numbers

Inconsistent building features resulting in confusing floor plans



2.4.1

Entrances & Exits
Entrances & exits to assembly spaces are easy to find and use without disturbing occupants

2.4.1

Entrances & Exits
Entrances & exits to assembly spaces are easy to find and use without disturbing occupants

2.4.1

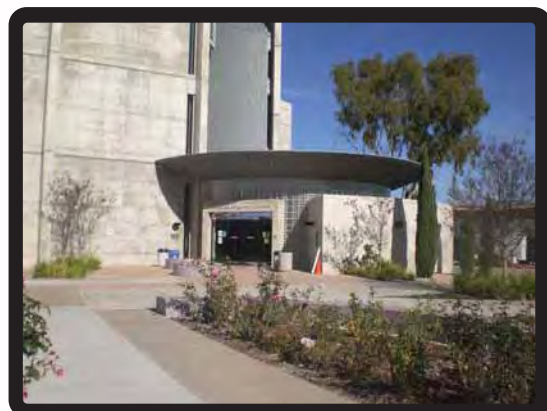
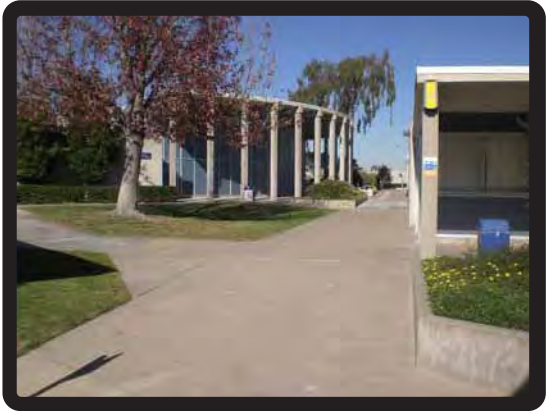
Entrances & Exits
Entrances & exits to assembly spaces are easy to find and use without disturbing occupants



Mesa	40
Campus	ID #

Higher lighting levels at entrances and exits

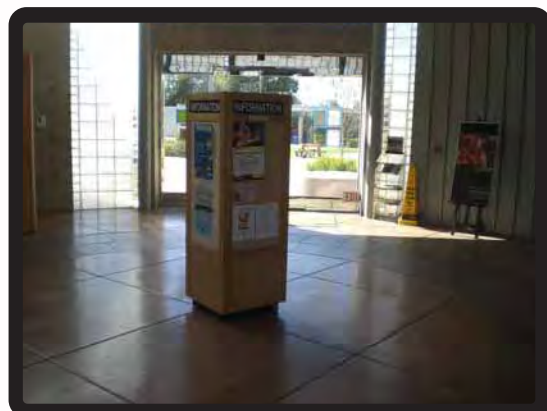
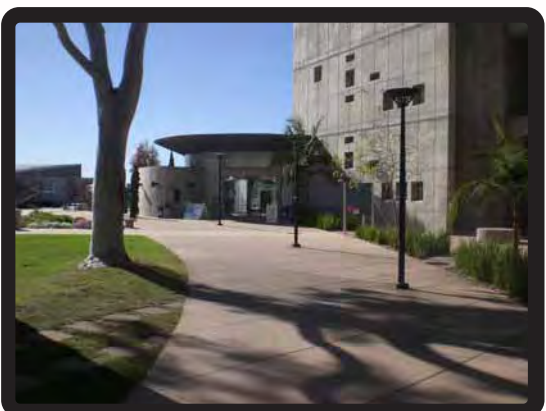
Mesa	40
Campus	ID #



Mesa	39
Campus	ID #

Distinctive architectural features at main entrance

Mesa	39
Campus	ID #



Mesa	39
Campus	ID #

Waiting area adjacent to the entry allows people to congregate if they arrive early or late for an event

Mesa	39
Campus	ID #



- Good
- Close/Needs Work
- Not Provided

Section: 2

Building Elements: 2.4 Assembly Spaces
San Diego Community College District



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Entry

2.5.1

Entry

2.5.1

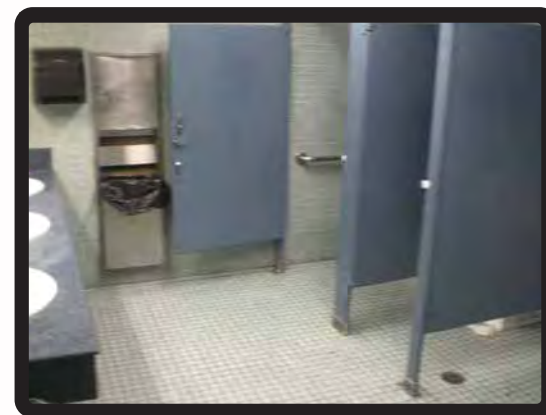
Entry



Maze entries without doors



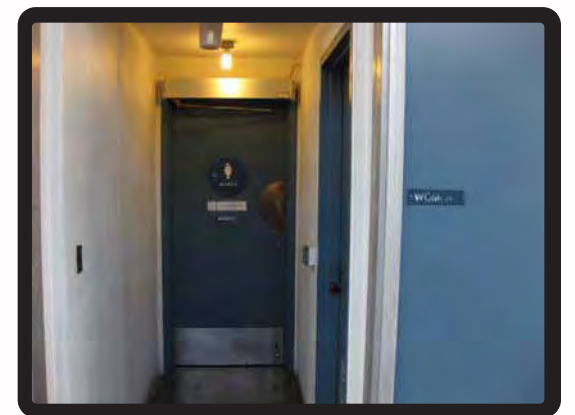
Clearances accomodate two people passing each other



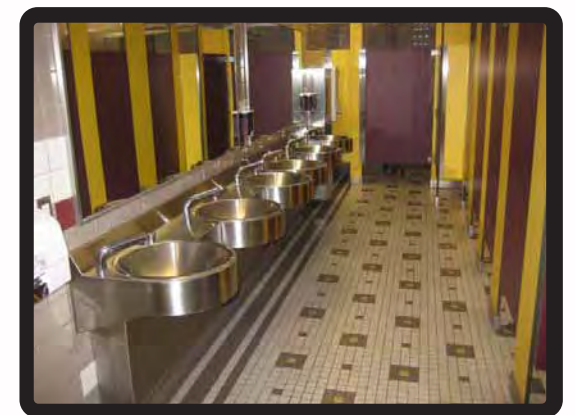
Accomodate the largest wheeled mobility users



Design layout does not promote privacy



Narrow entrance/exit difficult to maneuver



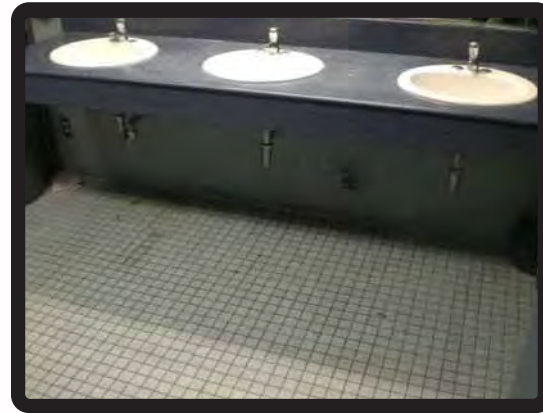
Narrow restroom corridor could be easily congested, making exit/entering difficult for largest wheeled mobility users, separate exit/entrances could alleviate congestion and traffic flow



Building Elements: 2.5 Restrooms

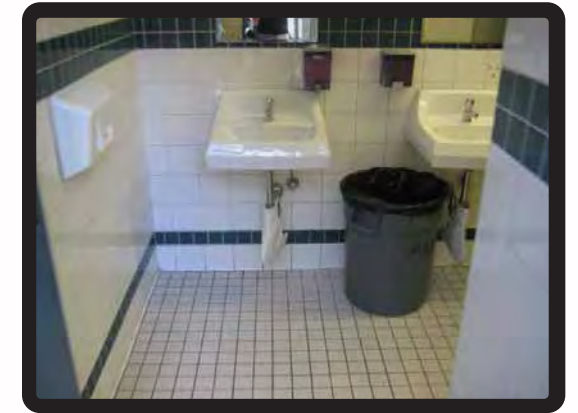
San Diego Community College District

Number of Fixtures
Enough fixtures are provided to eliminate long waiting times

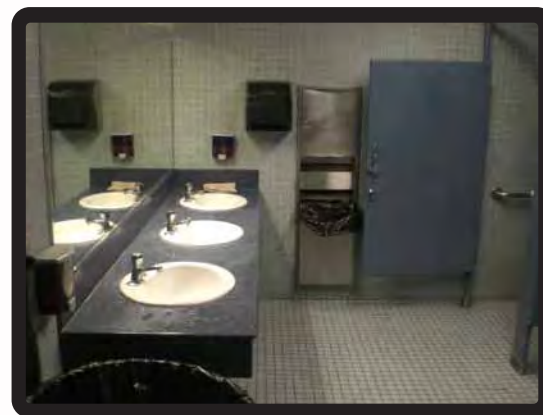


Mesa	43
Campus	ID #

Mesa	41
Campus	ID #



Circulation
*Circulation throughout
toilet room provides
access to all fixtures &
equipment without
unnecessary
congestion*



Mesa	43
Campus	ID #

SDCC	22
Campus	ID #

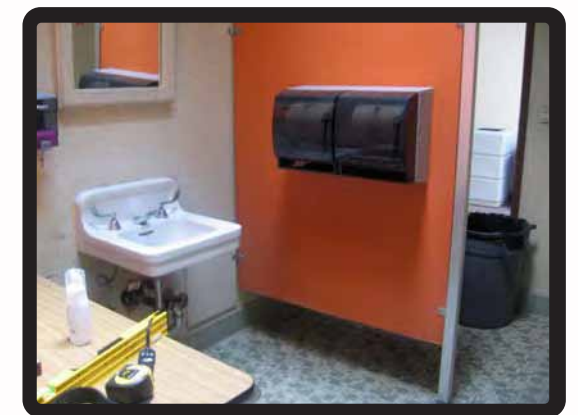


Circulation
Circulation throughout toilet room provides access to all fixtures & equipment without unnecessary congestion



Miramar	14
Campus	ID #

Snyder	3
Campus	ID #



Building Elements: 2.5 Restrooms

San Diego Community College District



2.5.3

Circulation

Circulation throughout toilet room provides access to all fixtures & equipment without unnecessary congestion



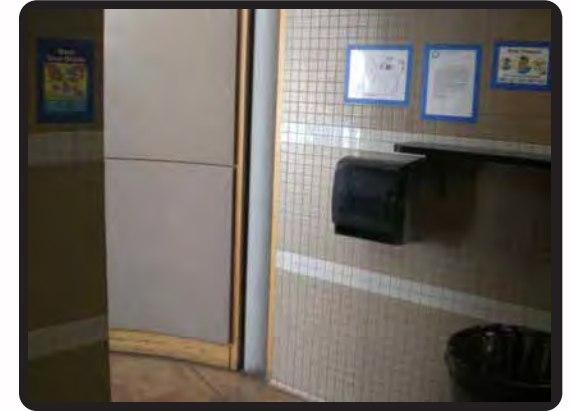
ECC	5
Campus	ID #

Hand drying equipment located in the direction of exiting from the sink, and are within a comfortable reach range



Mesa	39
Campus	ID #

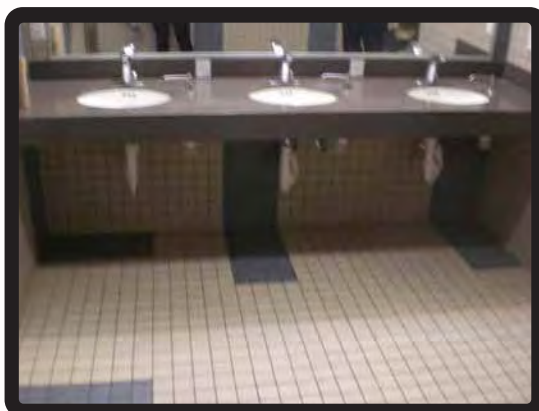
Hand drying equipment located in the direction of exiting from the sink, but circulation due to volume and proximity to door may be affected



2.5.4

Lavatory & Grooming Area

Clearances accomodate a wide range of users



Miramar	14
Campus	ID #

At least one lavatory has knee and toe for front approach for the largest wheeled mobility users



Navajo	2
Campus	ID #

Clearances should accomodate the largest wheeled mobility users



2.5.4

Lavatory & Grooming Area

Equipment is effortless to operate



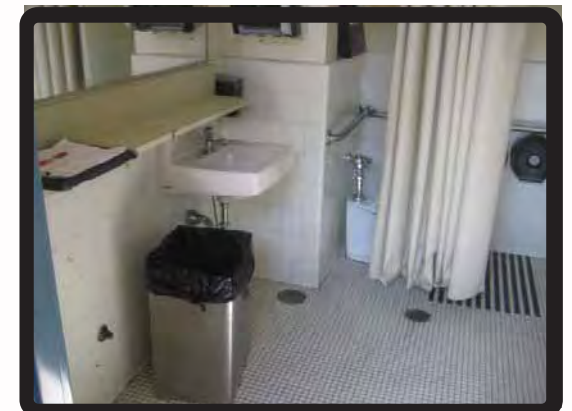
Mesa	
Campus	ID #

Dispensing parts of spigots and soap dispenser within convenient reach from each lavatory for people of small stature and wheeled mobility users



Mesa	44
Campus	ID #

Dispensing parts of spigots and soap dispenser are free from obstructions



J photo lab



Section: 2

Building Elements: 2.5 Restrooms San Diego Community College District



2.5.4

Lavatory & Grooming Area
Places are provided to place and protect personal items



Mesa	○
Campus	ID #

Security measures/design for safeguarding personal articles

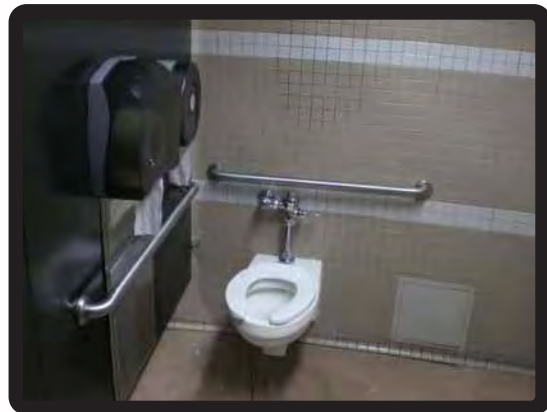
ECC	5
Campus	ID #

Shelf or counter space adjacent to lavatories to rest packages, briefcases, purses and backpacks where they will not get wet that is within reach for a wide variety of users



2.5.5

Toilet Stalls
All toilet stalls accomodate a wide range of body sizes, personal articles and hygiene needs

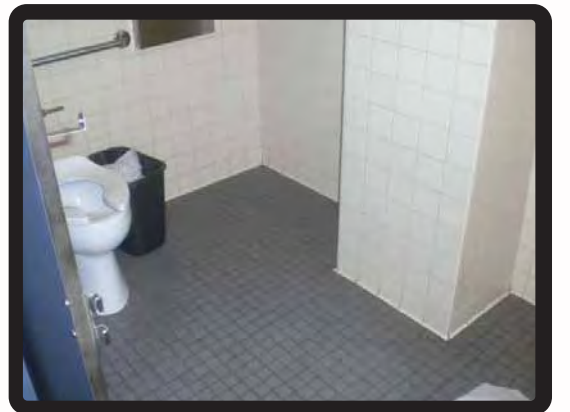
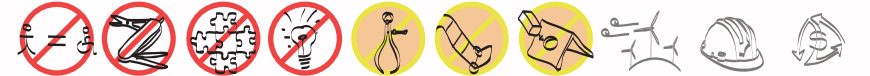


Mesa	○
Campus	ID #

Expanded stall widths

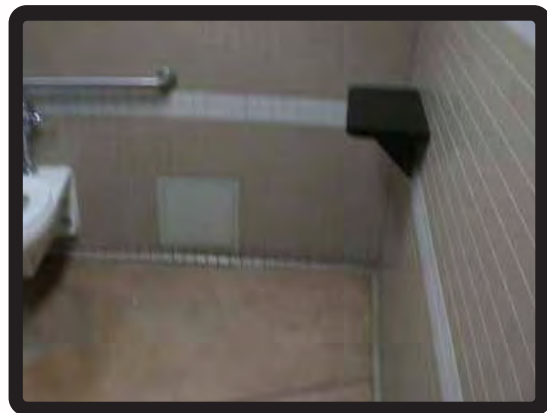
Mid City	4
Campus	ID #

Narrow stall does not allow for wide range of body sizes, personal articles and hygiene needs, and does not accomodate the largest of wheeled mobility users



2.5.5

Toilet Stalls
All toilet stalls accomodate a wide range of body sizes, personal articles and hygiene needs



Mesa	○
Campus	ID #

Expanded stall length

SDCC	○
Campus	ID #

Narrow stall does not allow for wide range of body sizes, personal articles and hygiene needs, and does not accomodate the largest of wheeled mobility users



- Good
- Close/Needs Work
- Not Provided

Section: 2

Building Elements: 2.5 Restrooms
San Diego Community College District



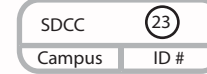
Toilets & Grab Bars

*Flushing is effortless
and hands free*



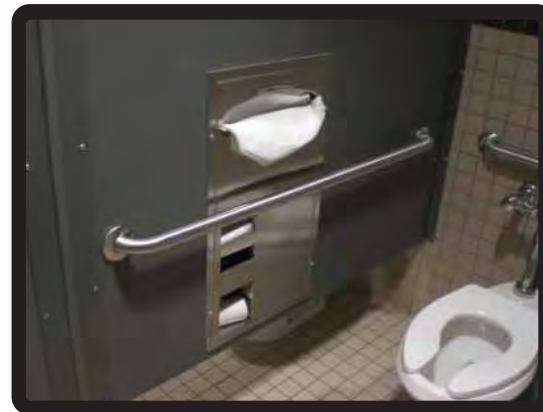
Mlramar	14
Campus	ID #

Waterless fixtures that need need no flushing



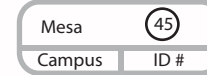
Toilets & Grab Bars

The seat can be maintained in a sanitary condition

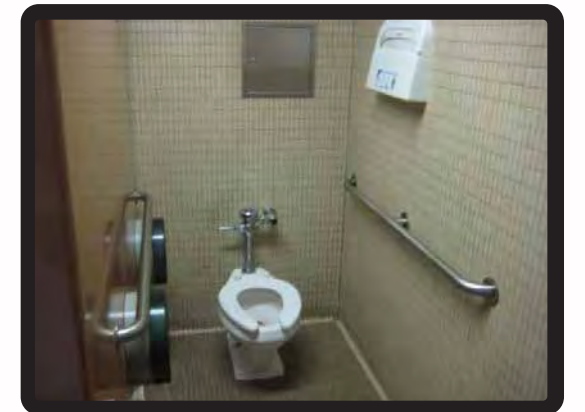


Mlramar	14
Campus	ID #

Seat dispenser mounted in front of the toilet



Seat dispenser mounted well out of reach range



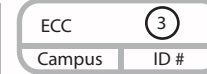
Urinals

*Flushing is effortless
and hands free*



Mlramar	14
Campus	ID #

Waterless fixtures with no manual operation required



- Good
- Close/Needs Work
- Not Provided

Section: 2

Building Elements: 2.5 Restrooms

San Diego Community College District

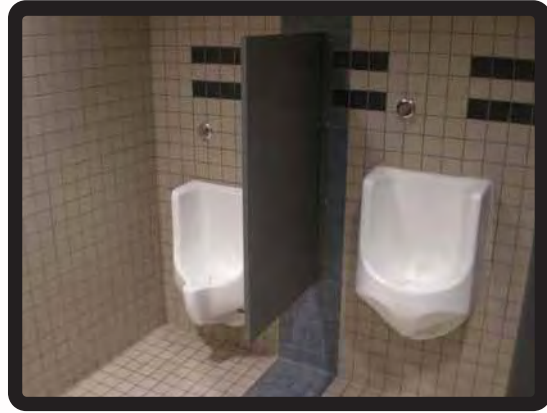


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2.5.7

Urinals

Fixtures accomodate
a range of statures
and abilities



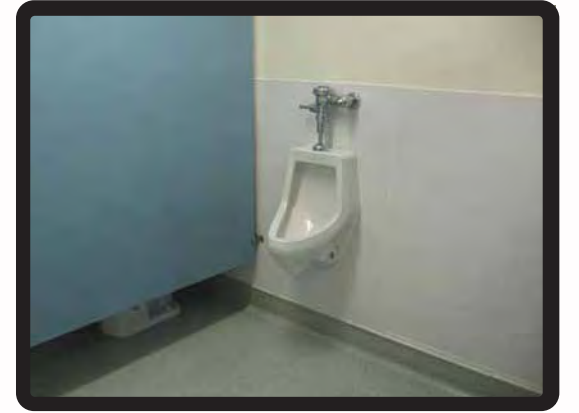
Mesa	☐
Campus	ID #

At least two different urinal heights



North City	☐
Campus	ID #

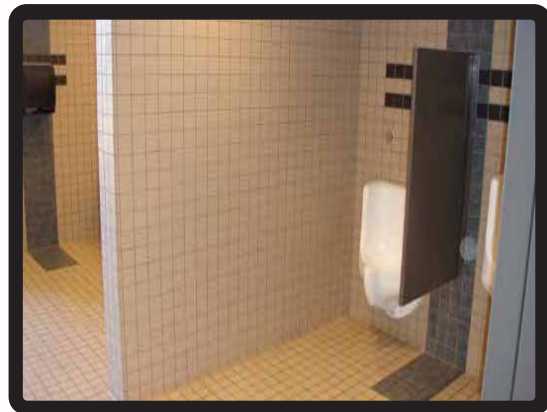
No option for second height provided



2.5.7

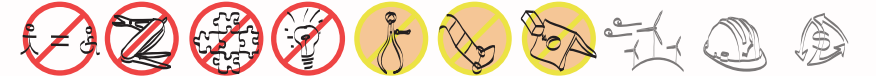
Urinals

Fixtures accomodate
a range of statures
and abilities



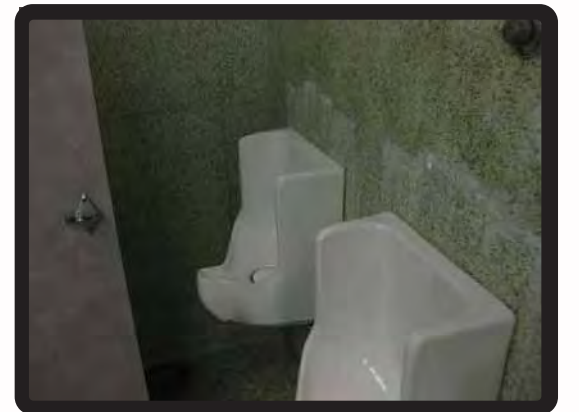
Miramar	☐
Campus	ID #

Clear floor area in front of urinal
accomodates largest wheeled mobility
users; Clear width between modesty
panels accomodates people of large
stature, and large mobility



Mesa	☒ 46
Campus	ID #

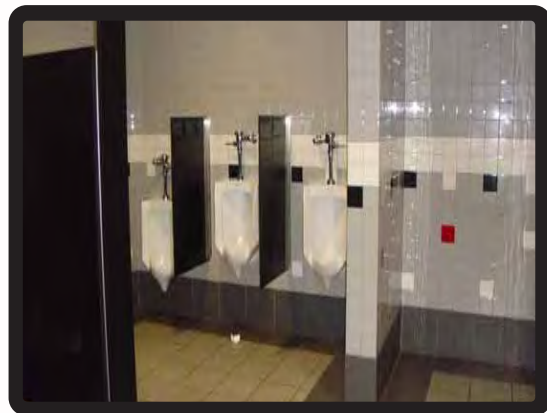
Clear area in front of urinal does not accomodate
largest wheeled mobility users



2.5.7

Urinals

Privacy is provided for
all users



Mesa	☒ 24
Campus	ID #

Modesty panels between urinals



Mesa	☒ 46
Campus	ID #

Modesty panels between urinals not provided



- Good
- Close/Needs Work
- Not Provided

Section: 2

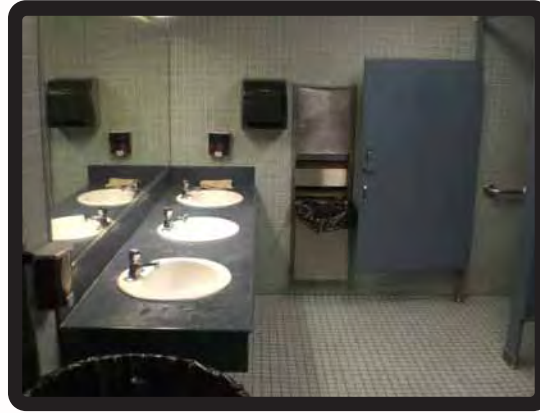
Building Elements: 2.5 Restrooms
San Diego Community College District



2.5.8

Waste Disposal

Waste receptacles are conveniently located and require little effort to operate

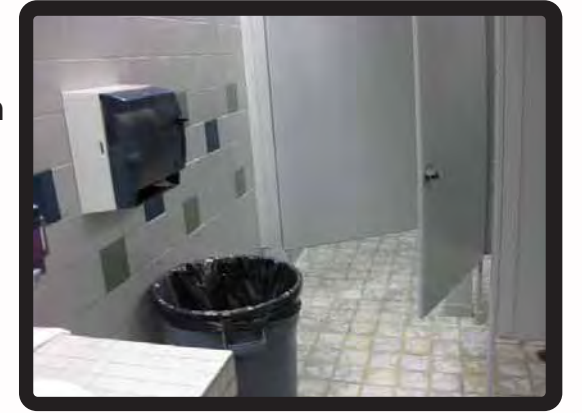


Mesa	43
Campus	ID #

If paper towel dispensers are used, waste receptacles located immediately next to the dispenser; Additional waste receptacles close to exit door and out of maneuvering clearances

SDCC	24
Campus	ID #

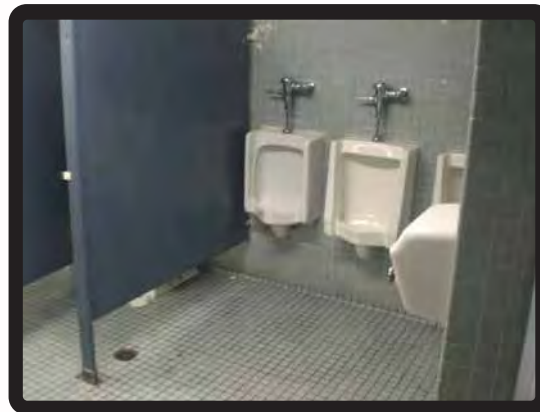
Paper towel dispenser in conflicting location with waste receptacles



2.5.9

Floors

Floor surfaces eliminate or reduce slipping hazards

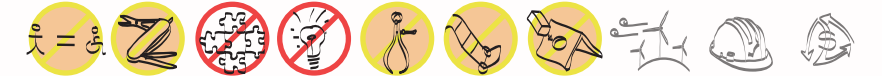


Mesa	43
Campus	ID #

Materials are fast drying and slip resistant when wet; Floor drains near all wet fixtures

Mesa	
Campus	ID #

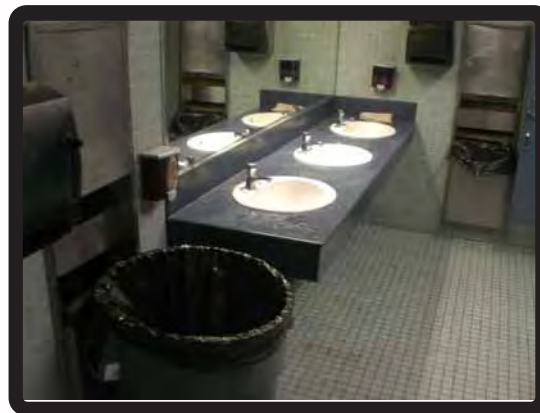
Materials should be fast drying and slip resistant when wet



2.5.10

Illumination

Illumination level is automatically controlled supports good hygiene and grooming and increases safety

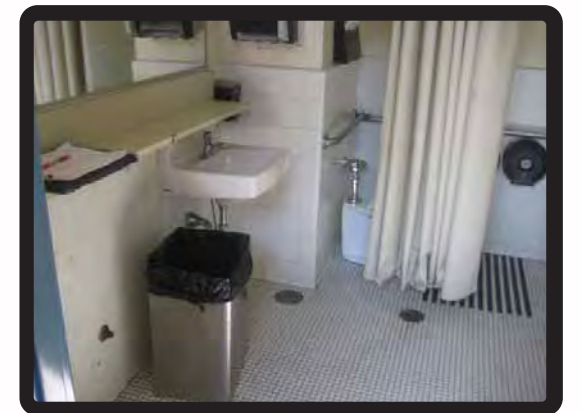


Mesa	43
Campus	ID #

Diffusers or indirect lighting eliminate direct glare

Navajo	44
Campus	ID #

Poor lighting conditions



Section: 2

Building Elements: 2.5 Restrooms San Diego Community College District

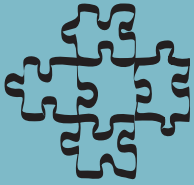




Equitable Use



Flexibility In Use



Simple & Intuitive



Perceptible Information



Tolerance For Error



Low Physical Effort



Size & Space For Approach And Use



Sustainability



Safety



Life Cycle Cost

3.1 Customer Service

- 3.1 Customer Service Areas
- 3.2 Product Pick-up and/or Delivery
- 3.3 Internet Service
- 3.4 Telephone Service



Section: 3

Customer Service
San Diego Community College District



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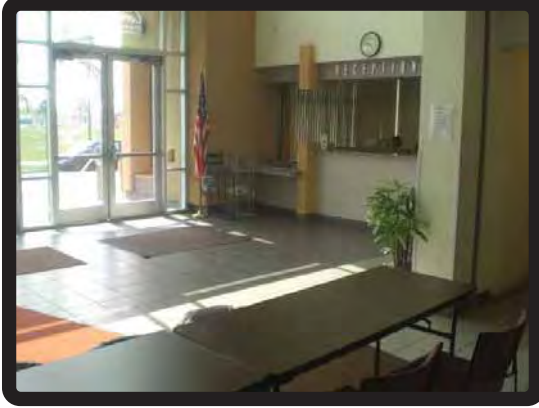
3.1.1

Customer Service Areas



Miramar Campus:
J106

Customer service areas allow all patrons to have face to face communications with the customer service staff in either standing or seated positions

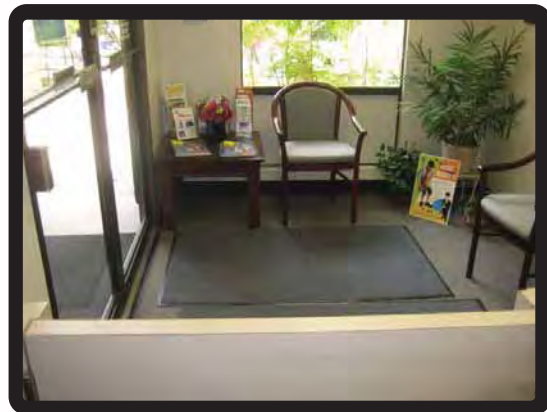


Mid City Campus:
Interior

Separate alcove or area where customers can talk discreetly to staff when they wish to have a private conversation is obstructed by furniture

3.1.1

Customer Service Areas



SDCC:
Program Administration

Seating areas for those who need to rest or sit, especially if long periods of waiting are expected; entertainment and pleasant surroundings where long waits are expected



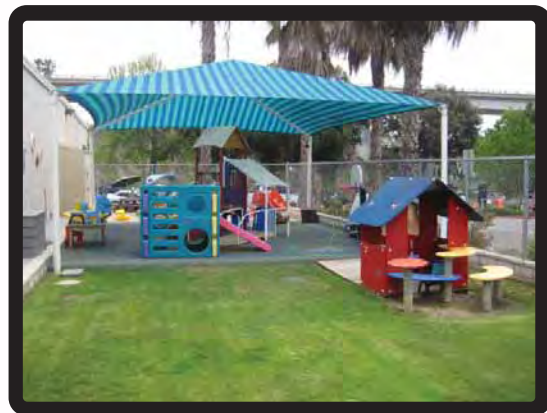
SDCC Campus:
Academic Success Center

Toe and knee clearance not provided; customer service areas does not allow all patrons to have face to face communications with the customer service staff in seated positions

3.1.1

Customer Service Areas

A child care facility is provided in facilities that cater to large numbers of families



SDCC:
Child Development Annex

Play facilities for children of all abilities



SDCC Campus:
Child Development Center

Play facilities not provided for children of all abilities



- Good
- Close/Needs Work
- Not Provided

Section: 3

Customer Services: 3.1 Customer Service Areas San Diego Community College District



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3.4

Telephone Service

All patrons are able to effectively communicate with customer service representatives on the telephone



Miramar Campus:
Site Exterior

Text telephone (TTY) formats for the hearing impaired



Miramar Campus:
Site Exterior

Text telephone (TTY) formats for the hearing impaired



-  Good
-  Close/Needs Work
-  Not Provided

Section: 3

Customer Services: 3.4 Telephone Service
San Diego Community College District



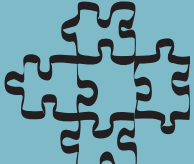
Seven Principles of Universal Design



Equitable Use



Flexibility In Use



Simple & Intuitive



Perceptible Information



Tolerance For Error



Low Physical Effort



Size & Space For Approach And Use

Additional Considerations



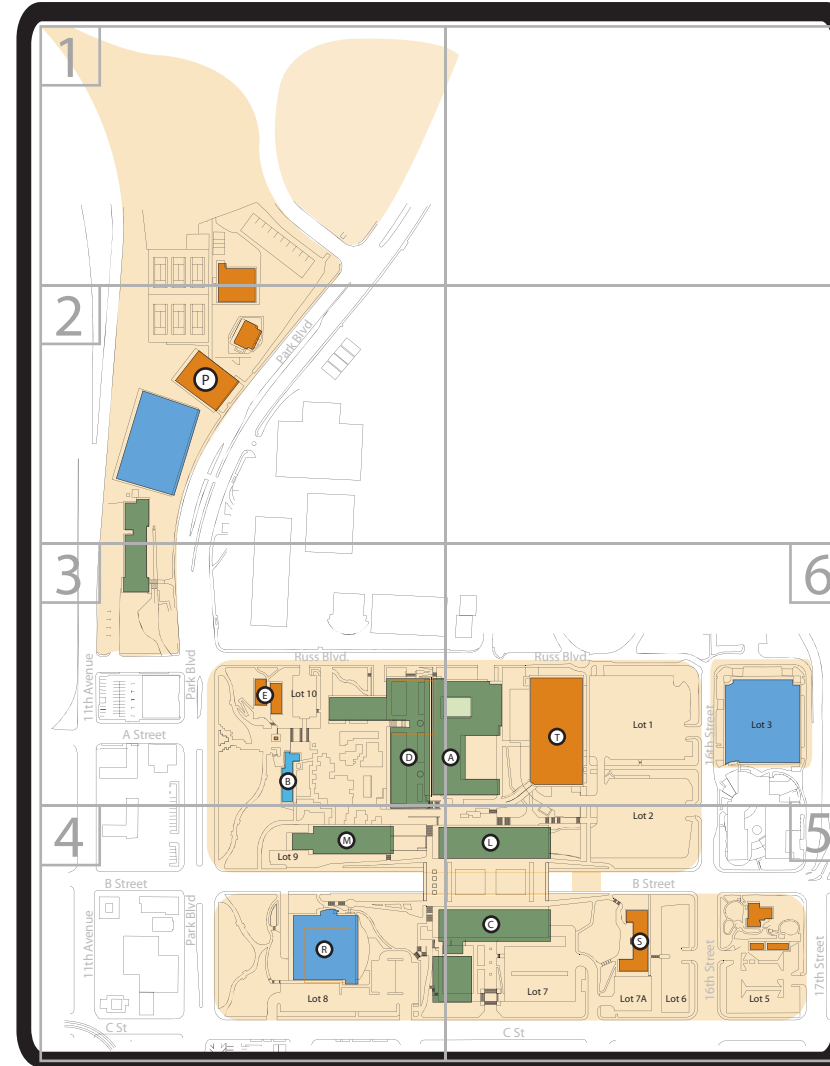
Sustainability



Safety



Life Cycle Cost



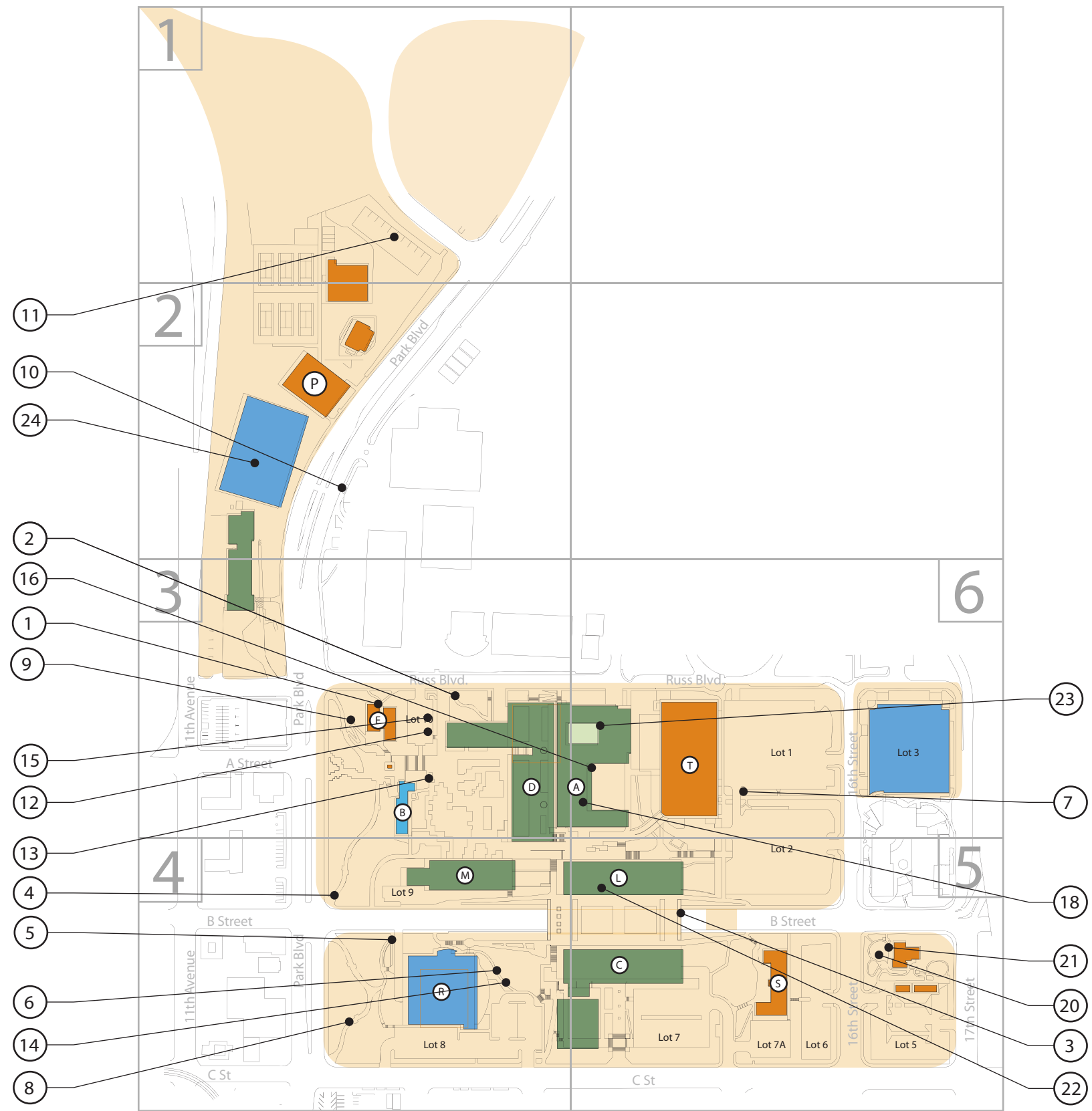
Locator

Item Locator

San Diego Community College District



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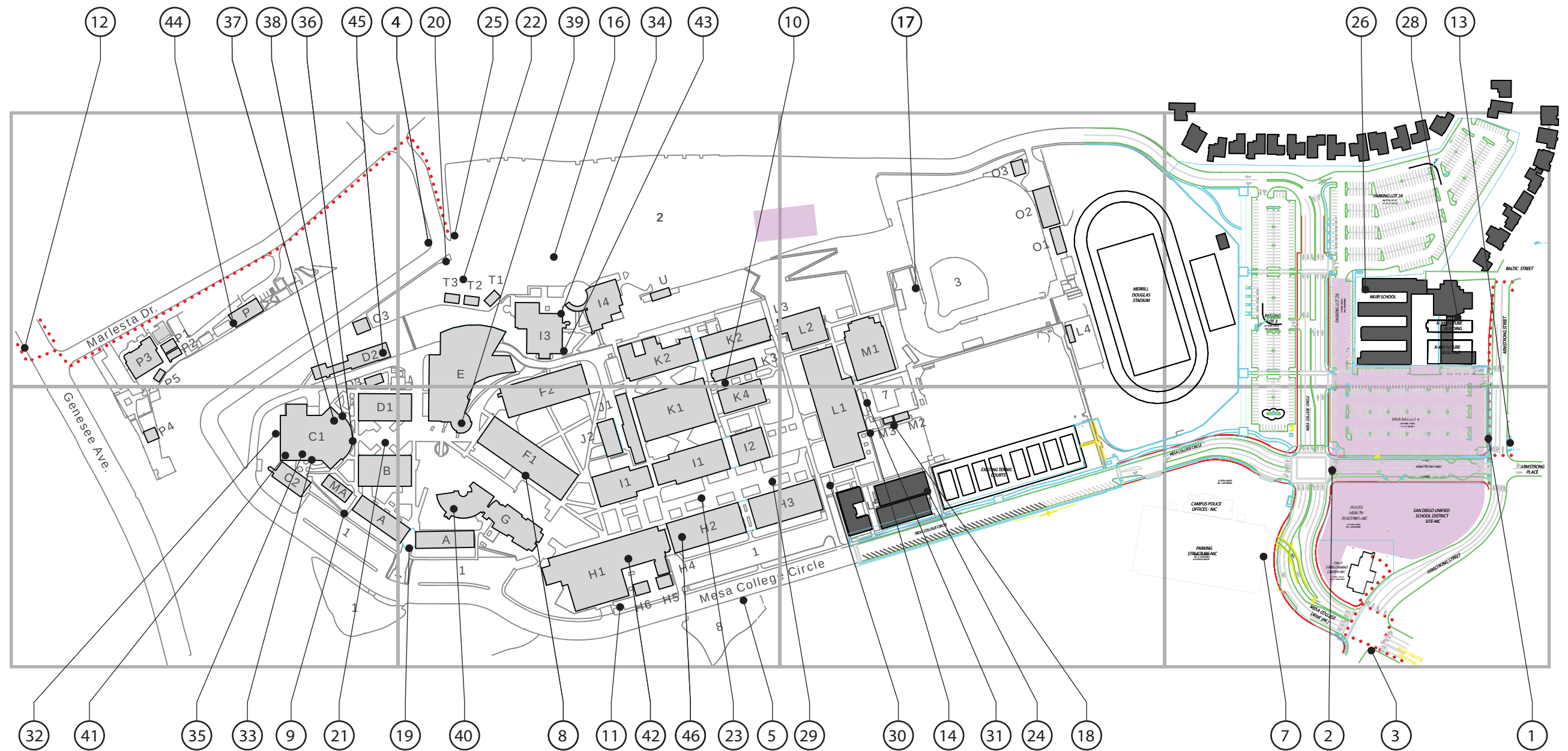
REF. North

Locator

City Campus 1313 Park Blvd. San Diego CA
San Diego Community College District



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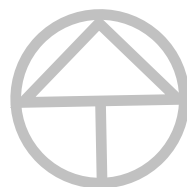
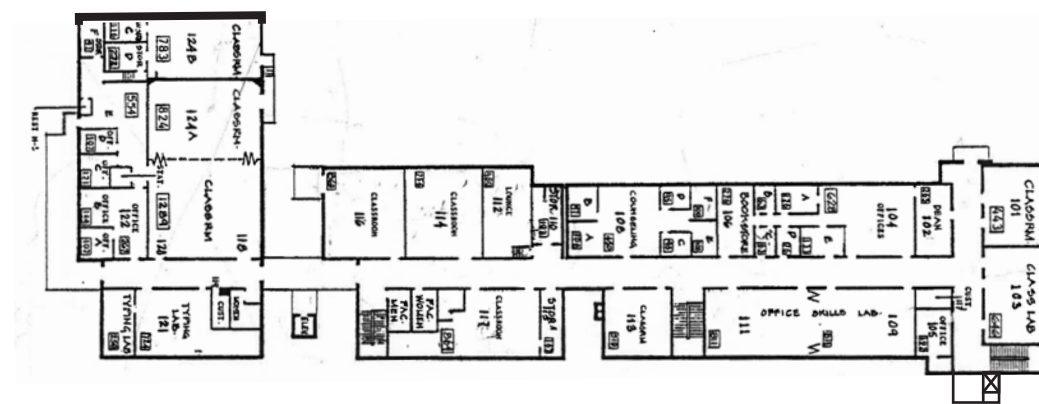
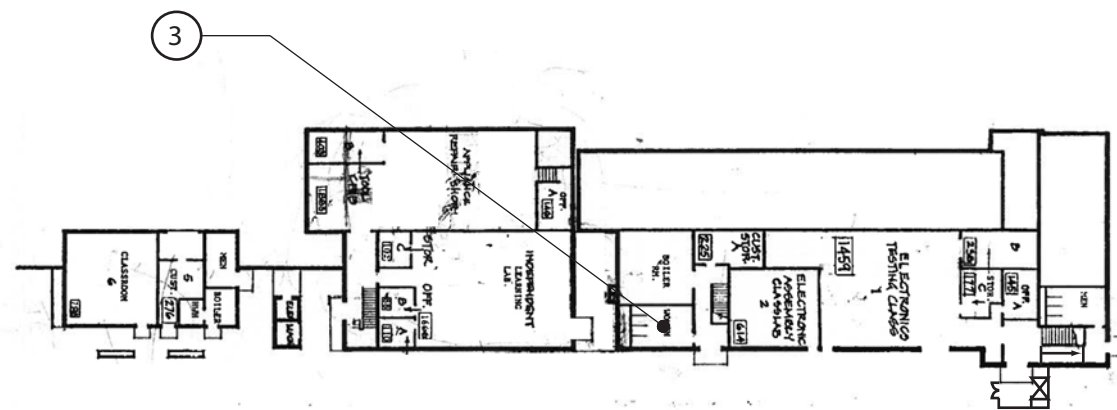
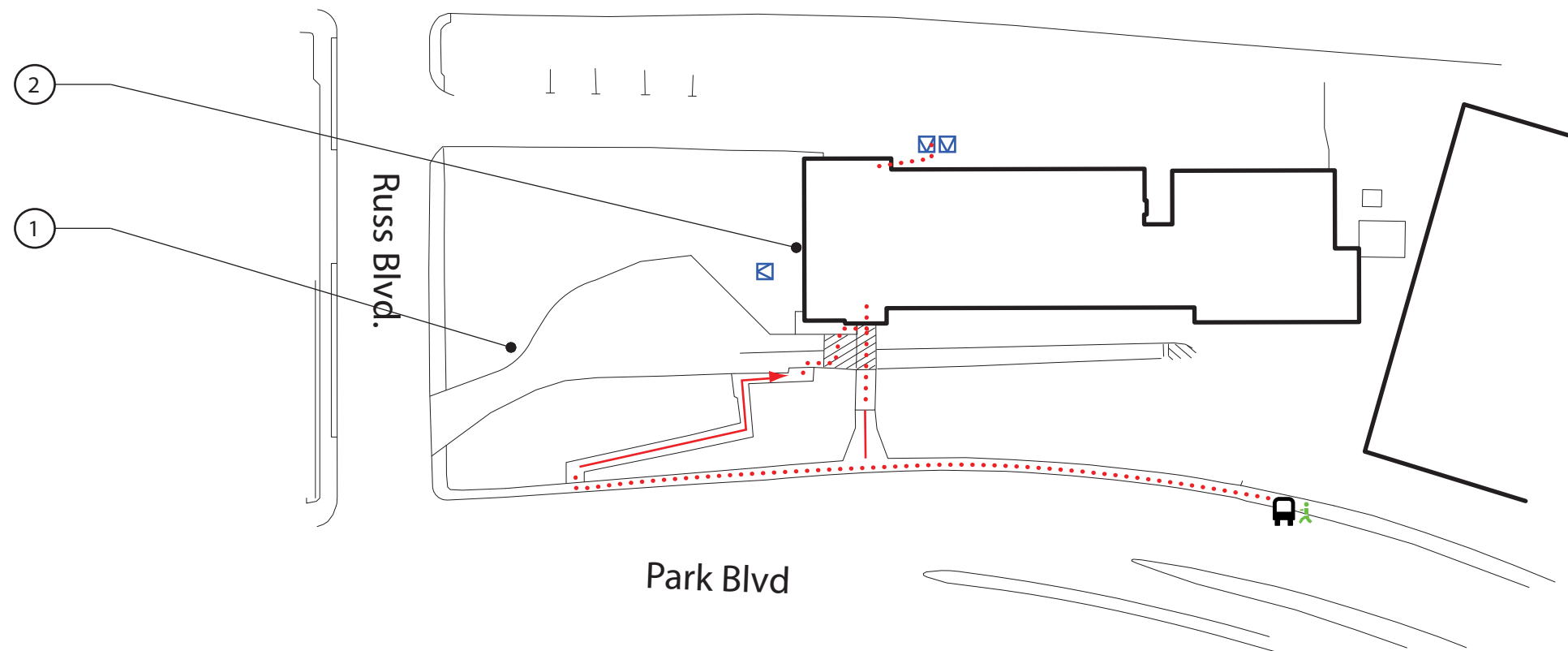
REF. North

Locator

Mesa Campus 7250 Mesa College Dr. San Diego CA
San Diego Community College District



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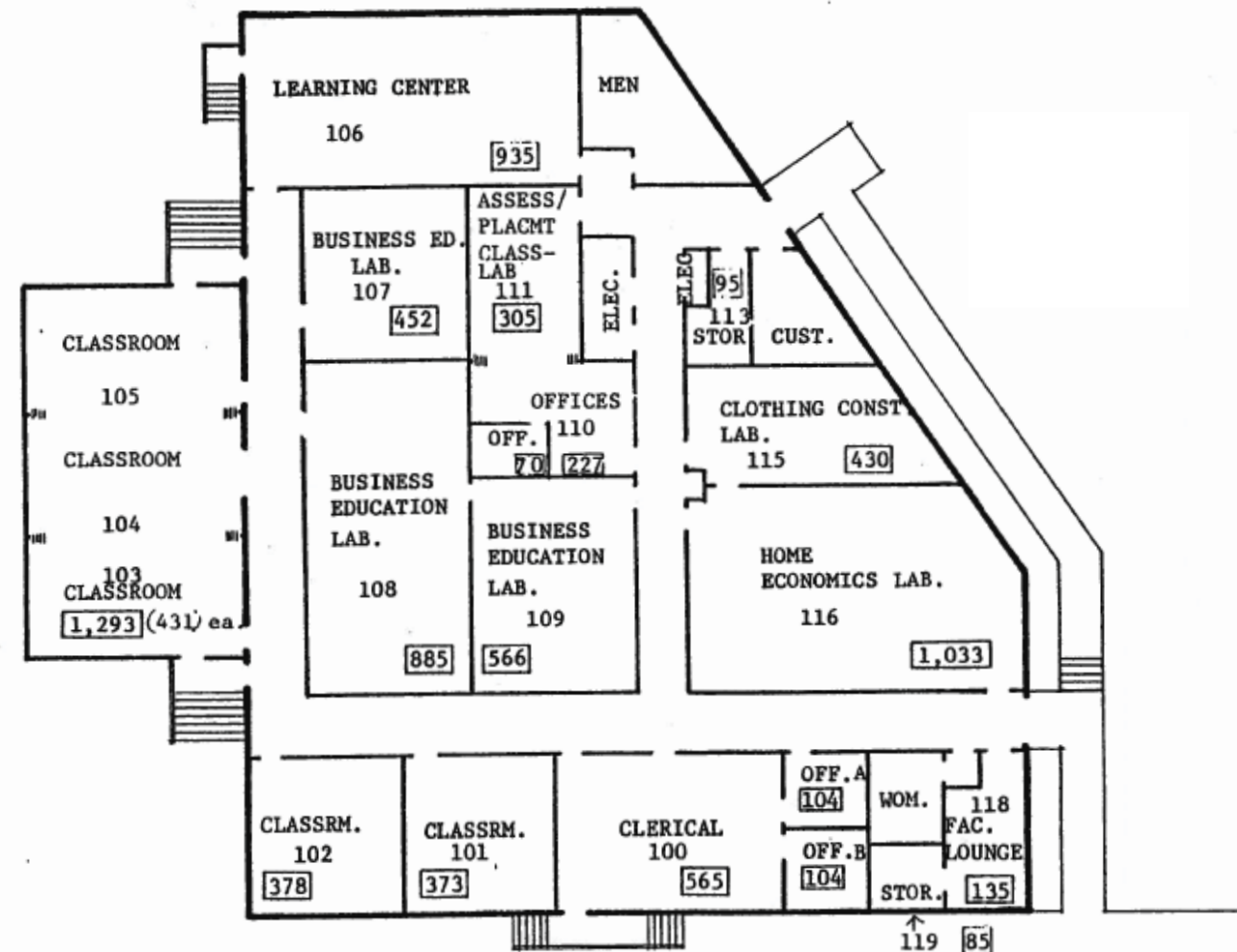
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Locator

Miramar Campus 10440 Black Mountain Road San Diego CA
San Diego Community College District

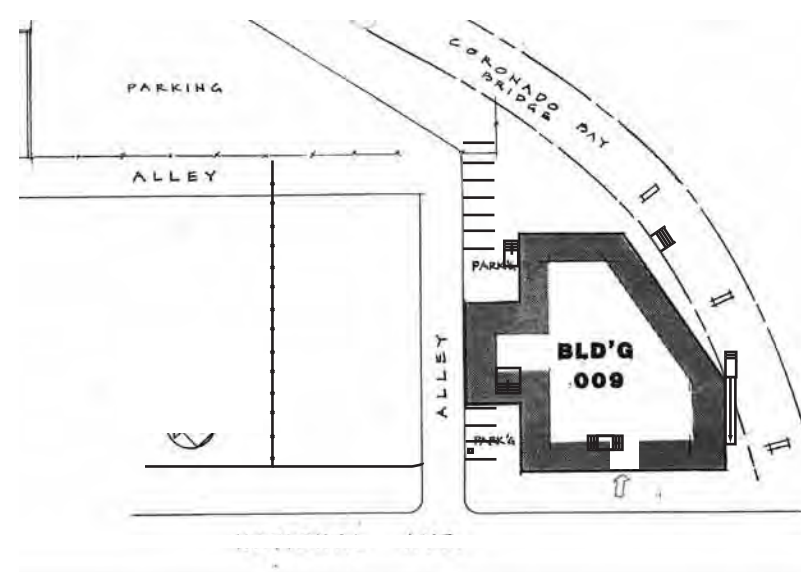


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Interior

Exterior



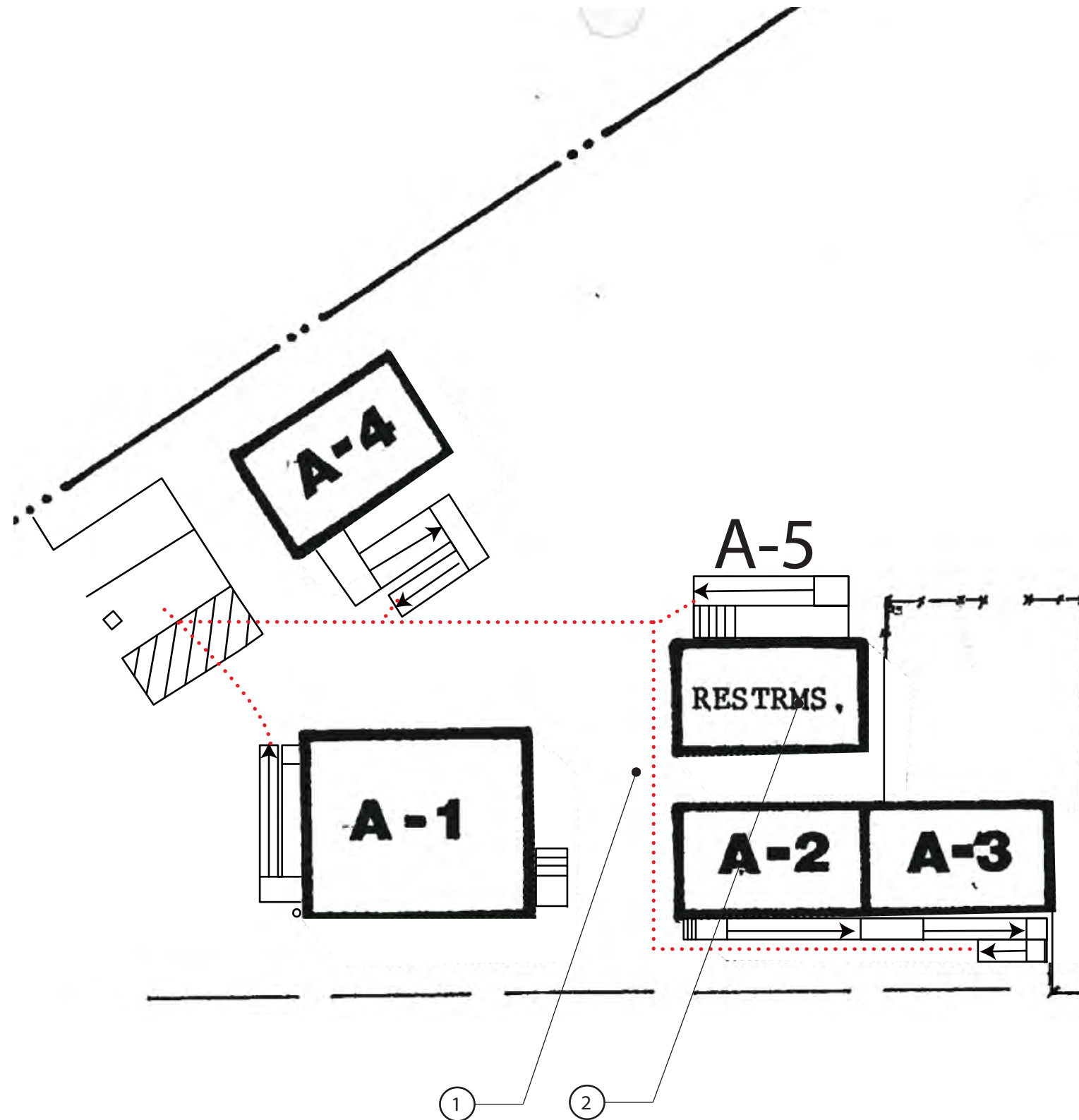
REF. North

Locator

Cesar Chavez Campus 1960 National Ave. San Diego CA
San Diego Community College District



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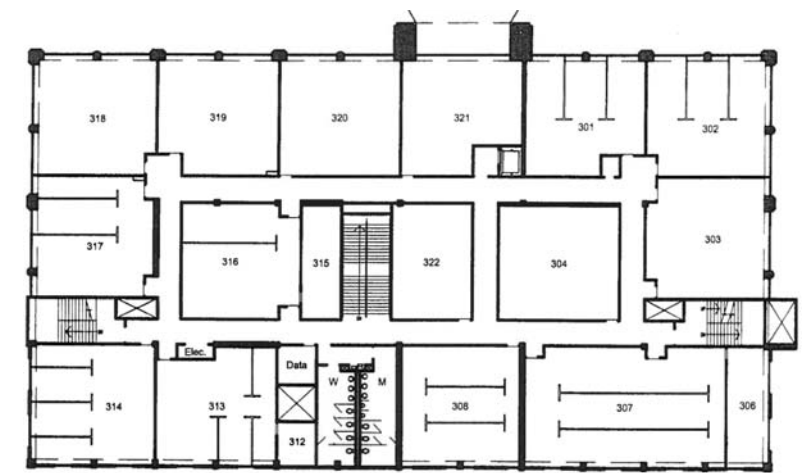
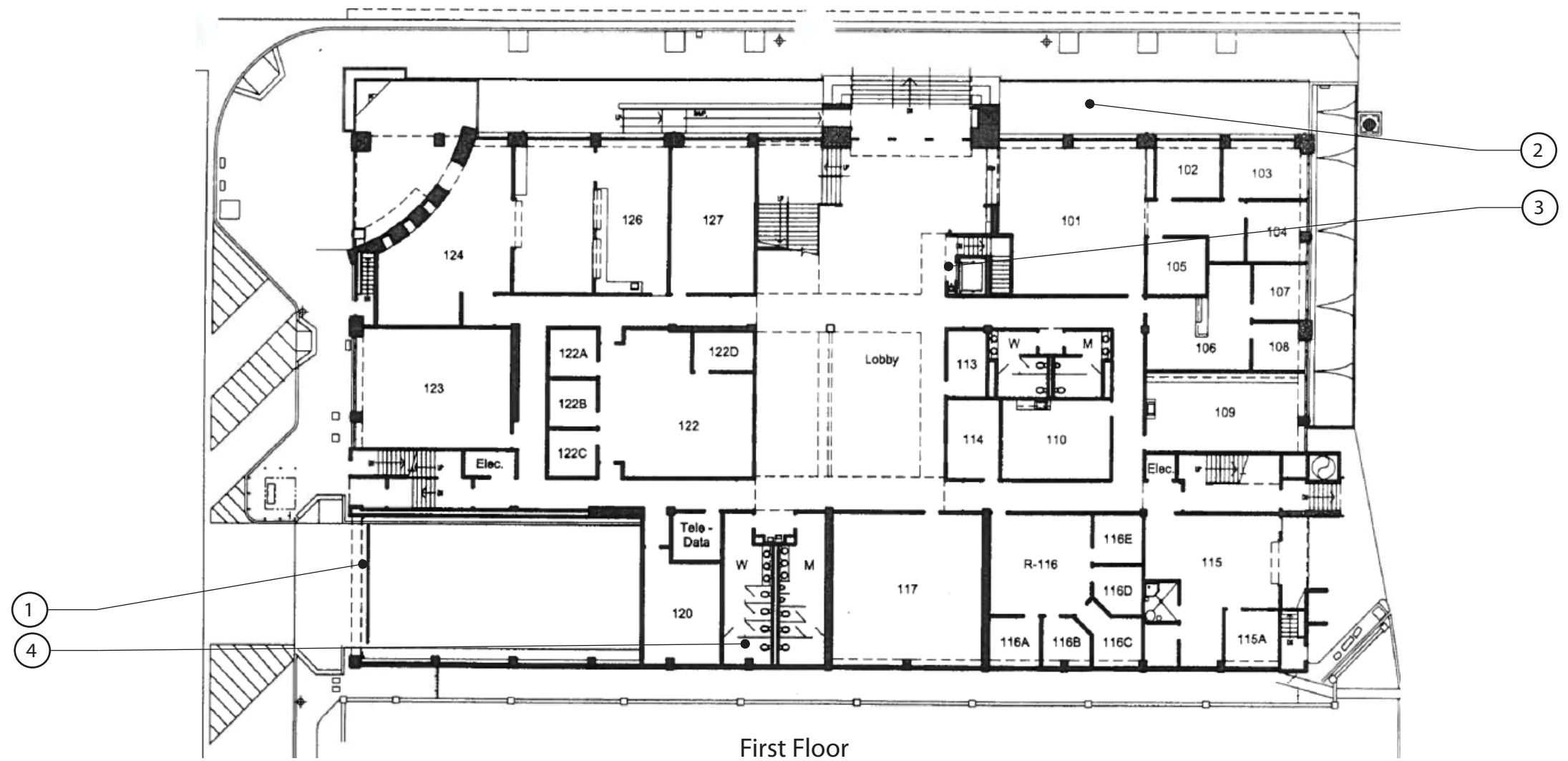
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Locator

Navajo Campus 6702 Wandermere Dr. San Diego CA
San Diego Community College District



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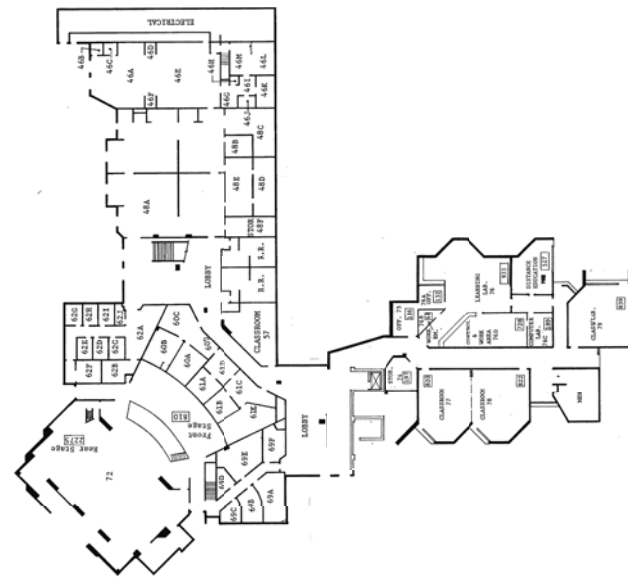
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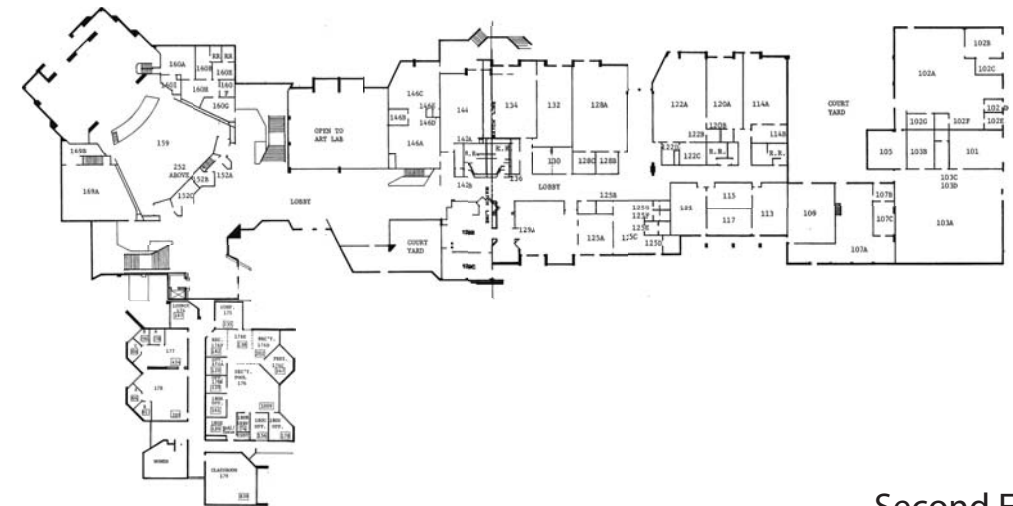
Mid City Campus 3792 Fairmount Ave. San Diego CA
San Diego Community College District



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First Floor



Second Floor



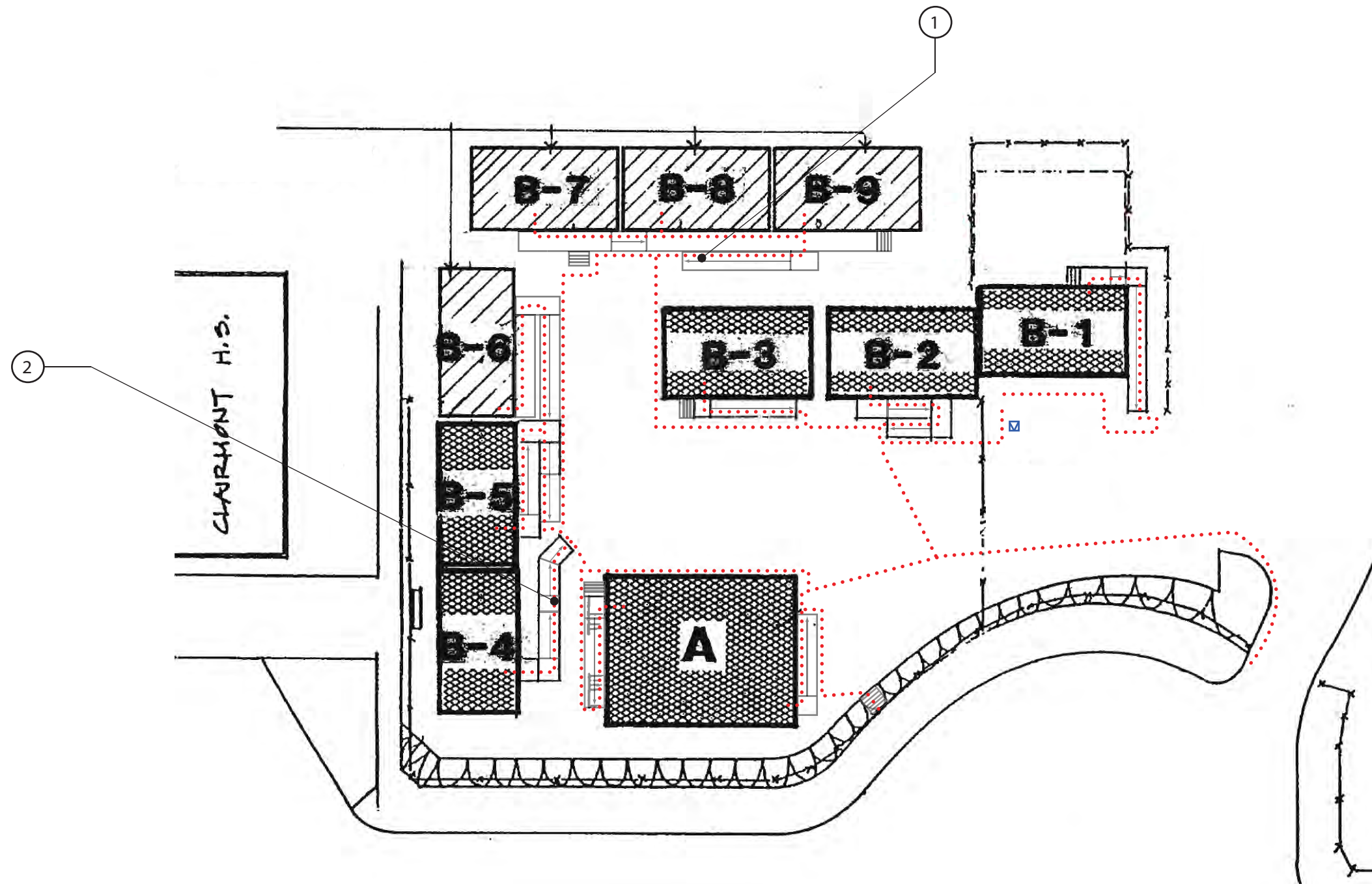
REF. North

Locator

ECC Campus 4343 Ocean View Blvd. San Diego CA
San Diego Community College District



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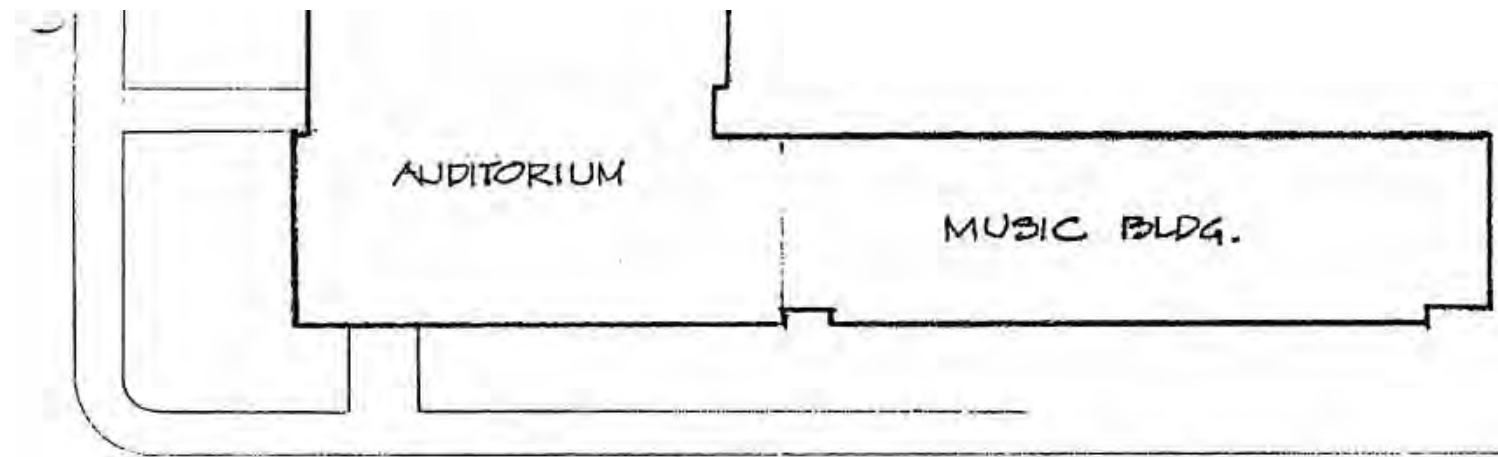
REF. North

Locator

Clairmont Campus 3890 Modoc St. San Diego CA
San Diego Community College District



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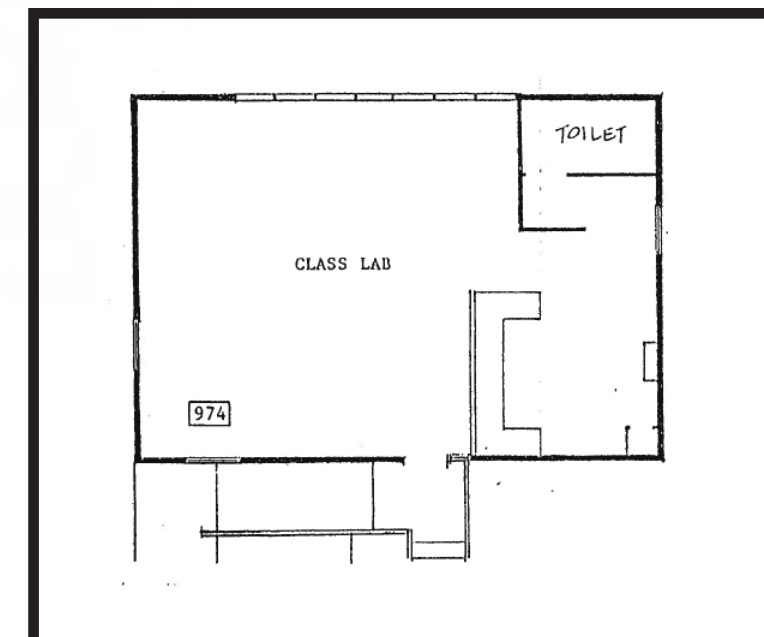


LEE STREET

PARKING LOT

001

SHED



REF. North

Locator

West City Campus 9375 Lee St. San Diego CA
San Diego Community College District



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