

ADA Self Evaluation and Transition Plan

MiraCosta College
Technology Center Institute, Carlsbad, CA
05-08-2017

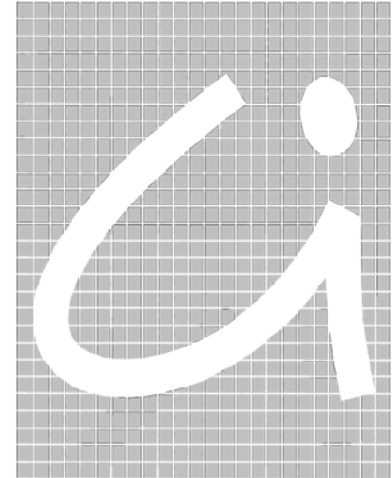


Table of Contents

Executive Summary	iii
Abbreviations	v
Definitions	v
Basis of Evaluation	v
Determination of Readily Achievable	v
Report	1
A. Access to Public Right of Way	1
B. Parking	2
C. Onsite Path of Travel	3
D. Entrances and Exits	5
E. Interior Spaces; Corridors, Offices, Classrooms & Laboratories	6
<i>Hallways and corridors</i>	6
Public Toilet Rooms	12
G. Site Diagram	1
H. Floor Plan Diagram	1
Appendix: Diagrams	1
APPENDIX A.1-6 Parking and Curb Ramps	2
APPENDIX A.7-9 Parking Signage	3
APPENDIX A.10-15 Curb Ramps and Detectable Warning Devices	4
APPENDIX B.1-4 Sinks and Showers	5
APPENDIX B.5-8 Toilet Rooms	6
APPENDIX B.9-13 Drinking Fountains	7
APPENDIX B.14-19 Toilet Room Signage	8
APPENDIX C.1-6 Ramps and Stairs	9
APPENDIX C.7-10 Ramps and Stairs	10
APPENDIX D.1-3 ISA, Reach Ranges and Door Clearances	11
APPENDIX D.4-6 Elevators and Protruding Objects	12
APPENDIX D.7-11 Elevators and Residential Kitchen and Bathrooms	13
APPENDIX E.1-6 Electric Vehicle Charging Stations	14
APPENDIX E.5-7 Electric Vehicle Charging Stations	15

Executive Summary

Background:

2010 marks the 20th anniversary of the Americans with Disabilities Act (ADA) which was implemented by the Department of Justice to create a framework to provide equal access to all facilities across the country. This Act, in concert with California's own Accessibility Laws as part of the California Building Code, is designed to allow all persons an equal opportunity to access the public facilities.

MiraCosta College, during its continuous periods of remodeling, has always strived to maintain an accessible facility with all new work. Ongoing changes, additions and modernization projects to the various campuses, have attempted to keep up with the current accessibility requirements needed for compliance. Due to the complexities of the projects and the changing requirements found in later additions of the access codes, it has been found that many older elements of the campuses do not meet the strict requirements of the current codes.

MiraCosta College commissioned this report to provide a complete evaluation of all College physical facilities; from the accessible parking spaces in the surface lots, along the exterior path of travel throughout each of 4 campuses and the interior spaces of each building used by faculty or students. Non-student areas, such as maintenance and storage areas were excluded. Programs and services were not a part of this self evaluation and transition plan.

Methodology:

Team members from Izor and Associates (CASP) obtained drawings of the building on this campus and composite aerial images from Google Earth to be used as backgrounds for the inspection and the resulting self-evaluation report. During the site inspections there was noted some minor accuracy errors in the building plans that did not materially affect the results of this inspection. During the inspections clearances were measured using a standard retractable tape measure, slopes were measured with a 24 inch long electronic level and photographic images were recorded on a digital camera. The non-compliant issues found during the inspections were noted on floor plan background sheets, Google Earth site plans or notepads. The non-compliant conditions of all toilet rooms and vertical access elements of the buildings were recorded on standard checklists proprietary to our company. The inspections were carried out over several different days with 1- 2 staff members at a time. The inspectors were given to locked rooms by the staff. Inspections were mostly scheduled at times of low student attendance or during holidays or academic breaks. This self evaluation report contains all of the non-compliance issues observed during the site inspections. The report format contains the non-compliant item, photographic documentation and recommended mitigation of the non-compliant condition. The location of each item is keyed into either a floor plan diagram or a site plan diagram for clarity. At the very end the report there is an Appendix of diagrams provided to assist in the mitigation of non-compliant conditions.

Parking:

This report confirms in detail the following summary of the existing condition of the parking facilities on this campus;

- The overall parking space count for the total number of disabled parking spaces on this campus is not sufficient to meet the minimum number of required spaces. Two additional space must be added.

- All of the disabled parking spaces have some minor slope issues and noncompliant signage.
- The noncompliant disabled parking spaces can be corrected with replacing or overlaying new pavement to correct slope issues

On-site Path of Travel;

This report confirms in detail the following summary of the existing condition of the on-site path of travel on this campus;

- This campus has been built on a relatively flat site that requires some vertical change in elevation between the parking and the building.
- The majority of the existing paths of travel throughout the campus have compliant slope in the direction of travel.
- Overall the on site path of travel is in fair condition with only minor noncompliance issues.

Building Interiors;

This report confirms in detail the following summary of the existing conditions of the building interior spaces in this facility;

- Most of the classrooms provided adequate special desks for seating disabled individuals in wheelchairs. One classrooms does not provide accessible seating. As long as a 36" minimum path of travel is maintained within the seating in every classroom, disabled access will be compliant.
- Most toilet rooms throughout the facility have only minor noncompliant issues, some are fully compliant. None of the toilet rooms are too small in size requiring major reconstruction to correct any noncompliant issues. Most noncompliance issues pertaining to location of fixtures, knee and reach clearances, signage and mounting heights of accessories that can be relatively easy to correct during future modernization work.

Abbreviations

POT	PATH OF TRAVEL	MIN	MINIMUM
ROW	RIGHT OF WAY	MAX	MAXIMUM
PROW	PUBLIC RIGHT OF WAY	AFF	ABOVE FINISH FLOOR
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY	AFG	ABOVE FINISH GRADE
CBC	2013 & 2016 CALIFORNIA BUILDING CODE, STATE	DWD	DETECTABLE WARNING DEVICES
ADA	2010 STANDARDS FOR ACCESSIBLE DESIGN, FEDERAL		

Definitions

Level Landing	A flat surface with no abrupt changes in level and sloped no more than 2% in any direction.
Accessible Path of Travel (POT)	A barrier free access without any abrupt vertical changes exceeding 1/2" at 1:2 maximum slope, except that level changes do not exceed 1/4" vertical. Maximum cross-slope 2%, slope in direction of travel 5% maximum and 48" minimum width.
Readily Achievable	Readily achievable means "easily accomplishable without much difficulty or expense." This requirement is based on the size and resources of a business. So, businesses with more resources are expected to remove more barriers than businesses with fewer resources. Determining what is readily achievable will vary from business to business and sometimes from one year to the next. Changing economic conditions can be taken into consideration in determining what is readily achievable. Economic downturns may force many public accommodations to postpone removing some barriers. The barrier removal obligation is a continuing one and it is expected that a business will move forward with its barrier removal efforts when it rebounds from such downturns.
Technically Infeasible	"Technically infeasible" means, with respect to an alteration of a building or a facility, that it has little likelihood of being accomplished because existing structural conditions would require removing or altering a load-bearing member which is an essential part of the structural frame; or because other existing physical or site constraints prohibit modification or addition of elements, spaces, or features which are in full and strict compliance with the minimum requirements for new construction and which are necessary to provide accessibility.

Basis of Evaluation

THE REVIEW AND EVALUATION OF THIS FACILITY AND THE FOLLOWING REPORT IS BASED ON THE FEDERAL 2010 STANDARDS OF ACCESSIBLE DESIGN AND THE STATE OF CALIFORNIA, 2013 CBC. WHERE DIFFERENCES OCCUR BETWEEN THESE TWO DOCUMENTS THE 2013 CBC WAS USED AS THE LOCAL GOVERNING ORDINANCE AND MORE RESTRICTIVE REQUIREMENTS.

Determination of Readily Achievable

NO DETERMINATION OF READILY ACHIEVABLE WAS MADE AS PART OF THE MITIGATION MEASURES OF THIS REPORT UNLESS SPECIFICALLY NOTED. ANY DETERMINATION OF READILY ACHIEVABLE IS MADE BASED ON THE OWNER'S PERSONAL KNOWLEDGE OF THE FINANCIAL FEASIBILITY OF THE BUSINESS TO ACCOMPLISH THE MITIGATION MEASURES REQUIRED.

PROJECT SUMMARY

Client: Steinberg, Joe Sion
 Prepared by: Izor and Associates, Inc.; Greg Izor, CASp-014
 Site Name & Location: MiraCosta College, Technology Center Institute, 2075 Las Palmas Dr., Carlsbad, CA
 Scope of Review: Parking and Exterior Path of Travel, Interior Spaces and Interior Common and Staff Areas
 Dates of Site Review: 10-14-2016
 Dates of Draft Report: 10-14-2016
 Date of Final Report: 05-08-2017 CASp Determination: Inspected by a CASp
 File Name: 170508 TCI CASp Report-Final
 Adopted by MiraCosta College Board of Trustees on: TBD



Izor and Associates, Inc.

Accessibility Surveys • Transition Plans
Expert Witness • CASp Inspections

© 2009

P.O. Box 460761, Escondido, CA 92046
(760) 489-5892 www.izorarch.com

Schedule of ADA Mitigation Work by Phases			NOTE: The scheduling, or Transition Plan, portion of the ADA mitigation work will be an integral part to the overall work to be completed within various projects contained within each of the Master Plan Phases. Therefore, the specific completion dates for each item of this report will be determined as each of the projects of the Master Plan are approved and scheduled.
P1	Interior Projects	Projects to be completed in: 2021	
P2	Site Projects	Projects to be completed in: 2021	

Report

#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
---	------	------------------	--------------------	-------



A. Access to Public Right of Way





A1	<p>Currently there is no pedestrian route provided from the public right-of-way to the building and the only means of access between the public right-of-way and the building is by a vehicular way.</p> <p>Therefore, according to CBC Section 11B-206.2.1, Exception 2. (see below) an accessible route from the building to the public right-of-way is not required.</p>	[No photo provided]	None required.	N/A
-----------	---	---------------------	----------------	-----





#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
---	------	------------------	--------------------	-------



B. Parking

Parking Resume:	Total Existing Public Parking Spaces:	132	Existing Disabled Spaces Provided:	3	Van Provided:	1
Notes: 1. 2016 CBC and 2010 ADA requires 1:6 van spaces. 2. EVCS spaces do not count as parking spaces. (11B-208.1)			Total Disabled Spaces Required:	5	Van Required:	1
			Additional Standard Spaces Required	2	Additional Van	0

B1	<p>This parking space and the access aisle serving it is not compliant as follows:</p> <ol style="list-style-type: none"> The required signage is not provided. The current signage is not visible while a vehicle is parked in the stall. The slope is greater than 2% 		<ol style="list-style-type: none"> Signage <ol style="list-style-type: none"> Mount all signage so that it is visible while a vehicle is parked in the stall. (80" high recommended) Add the "min fine of \$250" signage below the ISA sign For van accessible spaces include a mount "van accessible" sign separate, below the other signage. (See Appendix A7 & A8) Repave the parking spaces and the access aisle so that the slope does not exceed 2% in any direction 	P2
B2	<p>The POT serving the accessible parking spaces is not compliant as follows;</p> <ol style="list-style-type: none"> The cross slope exceeds 2% 		<ol style="list-style-type: none"> Repave the POT so that the cross slope does not exceed 2% 	P2
B3	<p>The required number of disabled parking spaces is not provided.</p>	[No photo provided]	Provide 2 additional standard size parking spaces with compliant path of travel to the entrances of the facility.	P2

#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
C. Onsite Path of Travel				
C1	These stairs are compliant		None required	N/A
C2	The POT leading from the parking to the wheelchair accessible ramp is compliant		None required	N/A
C3	The ramp is not compliant. The required width of 48" is not provided. (44")	 	1. Reconstruct the ramp and handrails according to appendix C.2, C.3 and C.7 to provide 48" minimum width.	P2

#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
C4	These stairs are compliant		None required	N/A
C5	This exterior POT is compliant	  	None required	N/A

#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
C6	This POT is not compliant There is no curb ramp leading from the emergency exit.		Install a curb cut curb ramp according to appendix A.4 - A.6	P2
C7	The employee break area is not compliant. The table serving the area is not wheelchair accessible		Install a table that has a wheelchair accessible seating knee clearance space according to Appendix B.1	P2



D. Entrances and Exits



D1	This entrance door is compliant.		None required.	N/A
D2	This entrance door is compliant.		None required.	N/A

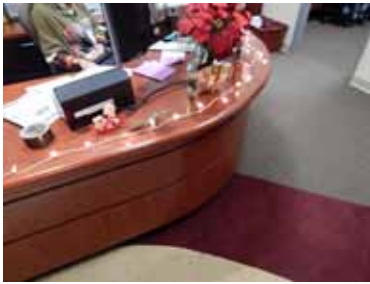



#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
---	------	------------------	--------------------	-------




E. Interior Spaces; Corridors, Offices, Classrooms & Laboratories





Hallways and corridors





E1	Reception, Room 1; The counter and path of travel is compliant.		None required.	N/A
E2	SBDC Reception, Room 3; The transaction counter is too high and not compliant. (35")		Lower the existing counter OR provide an alternate transaction area at 34" AFF	P1


#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
E3	Exit signage in the corridors throughout the facility are compliant.		None required.	N/A
E4	Conference Room, Room 2; The path of travel and seating in this room is compliant.		None required.	N/A

#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
E5	Sharon's Space, Room 23; The counter is compliant.		None required.	N/A
E6	Corridor F; Tactile exit signage is not provided at this exit door.		Provide a tactile exit sign mounted at 60" AFF on the latch side of the door according to Appendix D.8	P1
E7	Room signage in the corridors throughout the facility are complaint.		None required.	N/A
E8	Door hardware, swing clearances and operating forces throughout the facility are complaint.		None required.	N/A



#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
E9	Classroom Room 100; The path of travel and seating in this classroom are compliant except as follows: 1. The required 18" pull-side clearance is not provided at the connecting door to Room 101.		1. Relocate the table located in the required 18" pull-side clearance area.	P1
E10	Classroom Room 101; The path of travel and seating in this classroom are compliant.		None required.	N/A
E11	Classroom Room 102; The path of travel and seating in this classroom are compliant.		None required.	N/A





#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
E12	Classroom Room 103; The path of travel and seating in this classroom are compliant.	 A photograph of Classroom Room 103, showing rows of desks and chairs arranged in a classroom setting.	None required.	N/A
E13	Classroom Room 104; The path of travel, workstations and access to equipment in this classroom are compliant.	 A photograph of Classroom Room 104, showing a room with various equipment, workstations, and a clear path of travel.	None required.	N/A
E14	Room 106; The path of travel and workstations in this classroom are compliant.	 A photograph of Room 106, showing a workstation with a microscope and other equipment on a table.	None required.	N/A
E15	Room 107; The path of travel and workstations in this classroom are compliant.	 A photograph of Room 107, showing a workstation with a microscope and other equipment on a table.	None required.	N/A




#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
E16	Student Center, Room 41; The path of travel and workstations in this classroom are compliant.		None required.	N/A
E17	Kitchen, Room 42; The path of travel, counters, sink and appliances in this room are compliant except as follows; 1. The oven/range has controls in the back of the appliance.	 	1. Replace the oven/range with a unit that has front controls.	P1
E18	Gym, Room 55; The path of travel and access to the equipment is compliant.		None required.	N/A




#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
E19	SBDC Training Room 15; The path of travel and seating in this classroom are compliant except as follows: 1. There is no wheelchair accessible seating provided.		1. Provide wheelchair accessible seating positions for 5% of the total seating in this room.	P1





F. Public Toilet Rooms

Men				
F1	The entry door to this restroom is not compliant as follows; 1. Door symbol is not contrasting in color from the finish of the door		1. Replace the door symbol with a symbol that is 70% contrast in color from the finish of the door. OR Provide a white border 1" wide around the symbol.	P1
F2	The accessible lavatory is compliant as follows		None Required	N/A
F3	The accessible urinal is not compliant as follows; 1. The urinal alcove is more than 24" deep and is not wide enough.	[No photo provided]	1. Provide 36" minimum width at the alcove.	P1

#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
F4	<p>The accessible toilet and stall are not compliant as follows;</p> <p>1. The toilet tissue dispenser is located too high or too far from the front of the toilet.</p>		<p>1. Relocate the toilet tissue dispenser so that it is located 7"- 9" on the front of the toilet and 19" AFF. (Locate to the centerline of the dispenser)</p>	P1
F5	<p>The drinking fountain is not compliant as follows;</p> <p>1. The lower unit is mounted too low and does not provide 27" min. knee clearance.</p>		<p>1. Relocate the height of the unit to provide 27" min. knee clearance.</p>	P1
Women				
F6	<p>The entry door to this restroom is not compliant as follows;</p> <p>1. Door symbol is not contrasting in color from the finish of the door</p>		<p>1. Replace the door symbol with a symbol that is 70% contrast in color from the finish of the door. OR Provide a white border 1" wide around the symbol.</p>	P1
F7	<p>The accessible lavatory is compliant as follows</p>		None Required	N/A

#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
F8	<p>The accessible toilet and stall are not compliant as follows;</p> <p>1. The toilet tissue dispenser is located too high or too far from the front of the toilet.</p>		<p>1. Relocate the toilet tissue dispenser so that it is located 7"- 9" on the front of the toilet and 19" AFF. (Locate to the centerline of the dispenser)</p>	P1
Unisex Toilet, Room 16				
F9	<p>The entry door to this restroom is not compliant as follows;</p> <p>1. Door symbol is not contrasting in color from the finish of the door</p>		<p>1. Replace the door symbol with a symbol that is 70% contrast in color from the finish of the door. OR Provide a white border 1" wide around the symbol.</p>	P1
F10	<p>The accessible lavatory is compliant.</p>		None Required	N/A

#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
F11	<p>The accessible toilet and stall are not compliant as follows;</p> <ol style="list-style-type: none"> 1. The rear grab bar does not extend 24" minimum beyond the centerline of the fixture on the wide side. (21") 2. The toilet tissue dispenser is located too far from the front of the toilet. (14") 3. The toilet seat tissue dispenser is not located on an accessible route. 		<ol style="list-style-type: none"> 1. Replace the rear grab bar or relocate the rear grab bar so that it extends 24" beyond the centerline of the toilet to the wide side. 2. Relocate the toilet tissue dispenser so that it is located 7"- 9" on the front of the toilet and 19" AFF. (Locate to the centerline of the dispenser) 3. Relocate the toilet seat tissue dispenser so that it is located on an accessible route. (Locations above the grab bars are not accessible.) 	P1
Unisex Toilet, Room 17				
F12	<p>The entry door to this restroom is not compliant as follows;</p> <ol style="list-style-type: none"> 1. Door symbol is not contrasting in color from the finish of the door 		<ol style="list-style-type: none"> 1. Replace the door symbol with a symbol that is 70% contrast in color from the finish of the door. OR Provide a white border 1" wide around the symbol. 	P1
F13	<p>The accessible lavatory is compliant.</p>		None Required	N/A

#	ITEM	PHOTO or DIAGRAM	MITIGATION MEASURE	Phase
F14	<p>The accessible toilet and stall are not compliant as follows;</p> <ol style="list-style-type: none"> 1. The rear grab bar does not extend 24" minimum beyond the centerline of the fixture on the wide side. (21") 2. The toilet tissue dispenser is located too far from the front of the toilet. (14") 3. The toilet seat tissue dispenser is not located on an accessible route. 		<ol style="list-style-type: none"> 1. Replace the rear grab bar or relocate the rear grab bar so that it extends 24" beyond the centerline of the toilet to the wide side. 2. Relocate the toilet tissue dispenser so that it is located 7"- 9" on the front of the toilet and 19" AFF. (Locate to the centerline of the dispenser) 3. Relocate the toilet seat tissue dispenser so that it is located on an accessible route. (Locations above the grab bars are not accessible.) 	P1
Staff Restroom, Room 46				
F15	The entrance to this restroom is compliant		None Required	N/A
F16	The lavatory is compliant		None Required	N/A
F17	The toilet is compliant		None Required	N/A
End of Report				

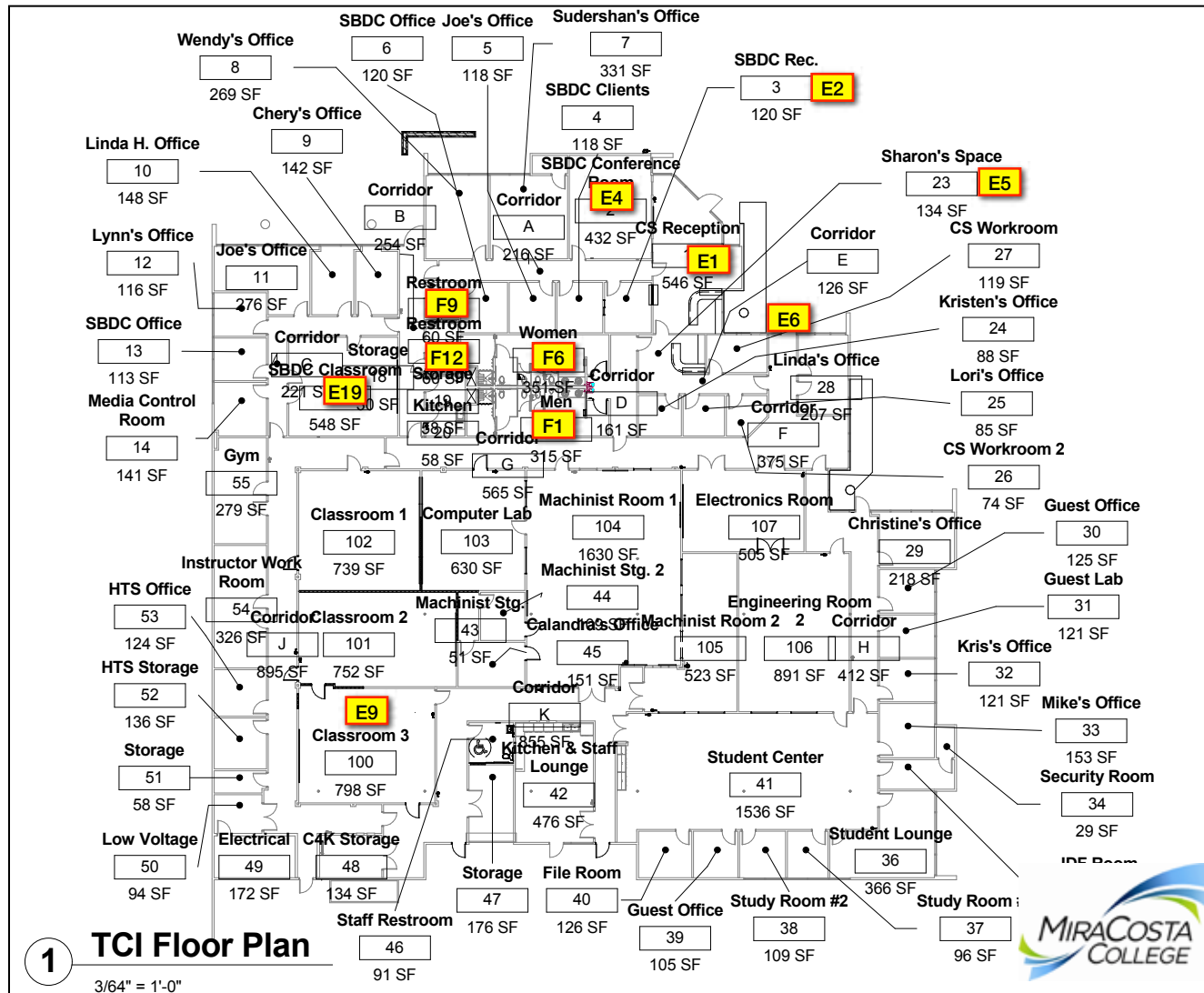
Required Accessible POT	-----
Non-Compliant POT	-----
Area of Review	-----

G. Site Diagram



Site Diagram - A

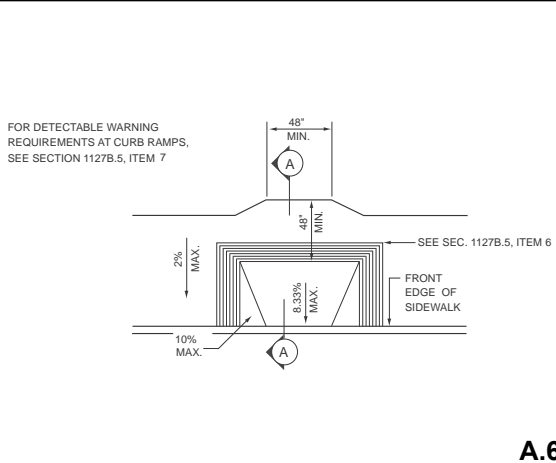
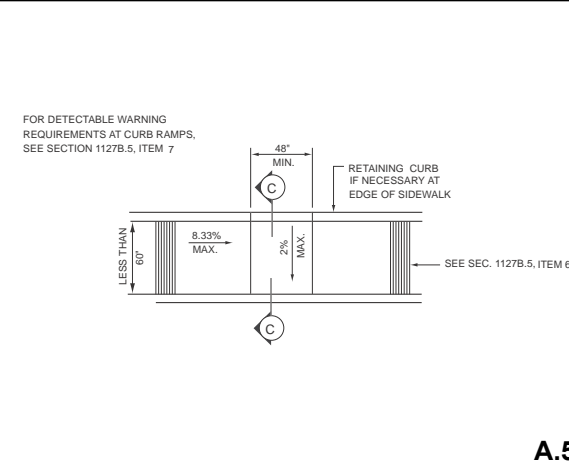
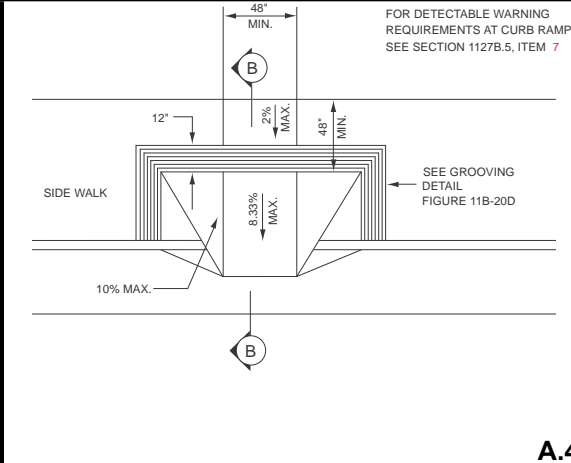
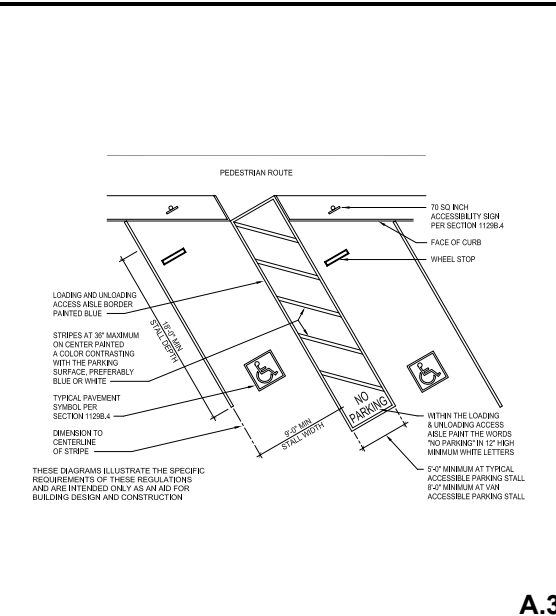
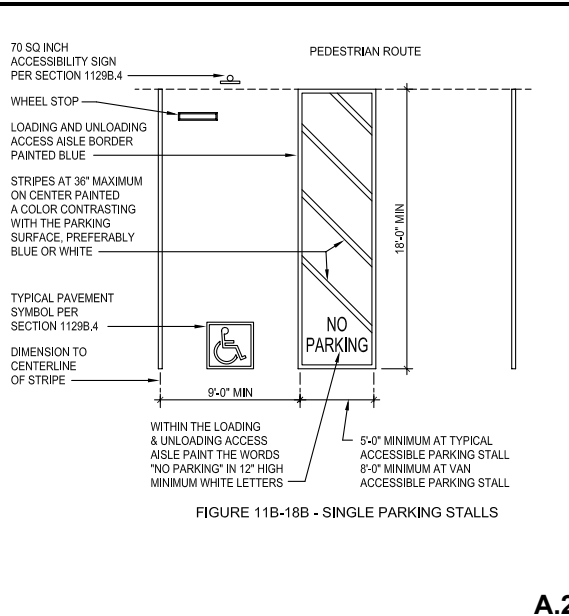
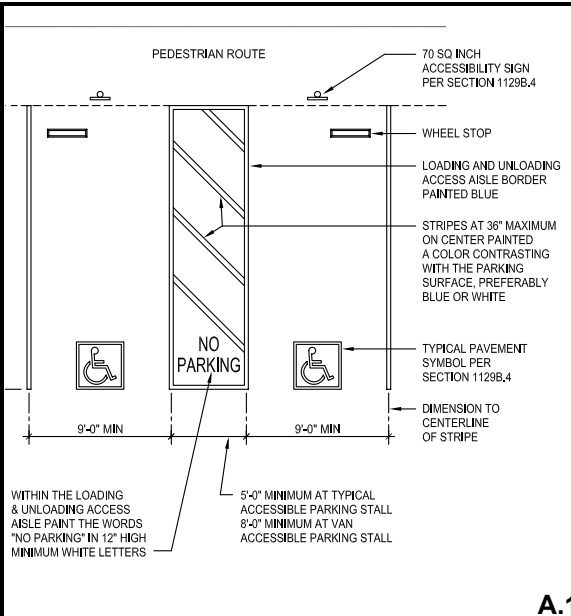
H. Floor Plan Diagram



Appendix: Diagrams

Note: The following diagrams are offered as guidelines for barrier removal and are excerpted from the 2010 AND 2013 CBC. They are not architectural documents intended for construction purposes and may not be used as such.

APPENDIX A.1-6 Parking and Curb Ramps



APPENDIX A.7-9 Parking Signage



R99 (CA)

NOTE: For symbol details, see Standard Highway Signs, Appendix, "Handicapped".

COLORS: BORDER & LEGEND - WHITE (RETROREFLECTIVE)
BACKGROUND - BLUE (RETROREFLECTIVE)

Add additional signage at van space indicating: "Van Accessible" as required.



R99B (CA)

COLORS: BORDER & LEGEND - WHITE (RETROREFLECTIVE)
BACKGROUND - BLUE (RETROREFLECTIVE)

A.7



Add additional signage at van space indicating: "Van Accessible" as required.

NOTE: For symbol details, see Standard Highway Signs, Appendix, "Handicapped".

Mount all signage at 80" minimum from finished grade or paving.

R99C (CA)

COLORS: BORDER & LEGEND - WHITE (RETROREFLECTIVE)
BACKGROUND - BLUE (RETROREFLECTIVE)

A.8



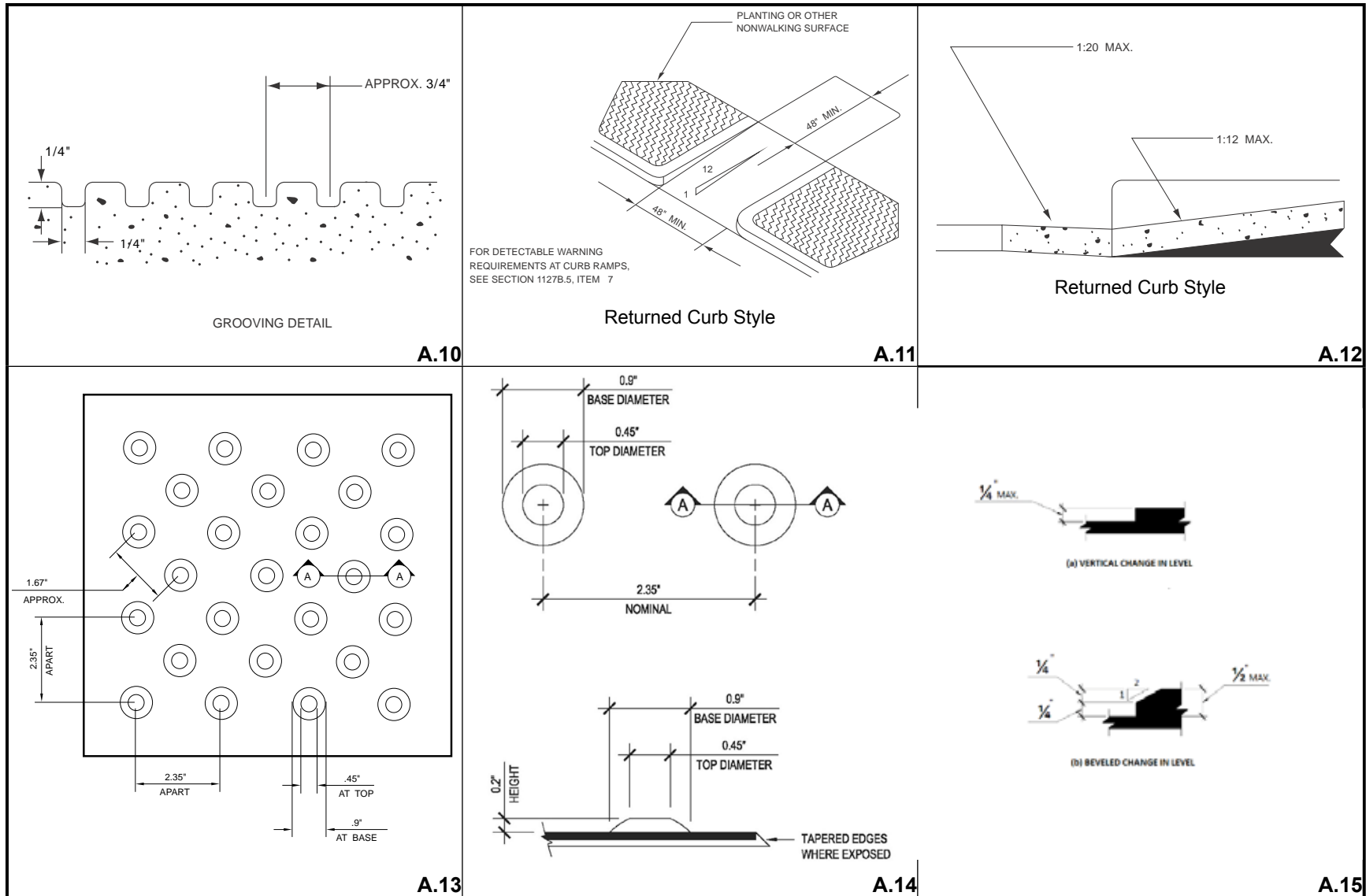
R100B (CA)

COLORS: BORDER & LEGEND - BLACK
BACKGROUND - WHITE (RETROREFLECTIVE)

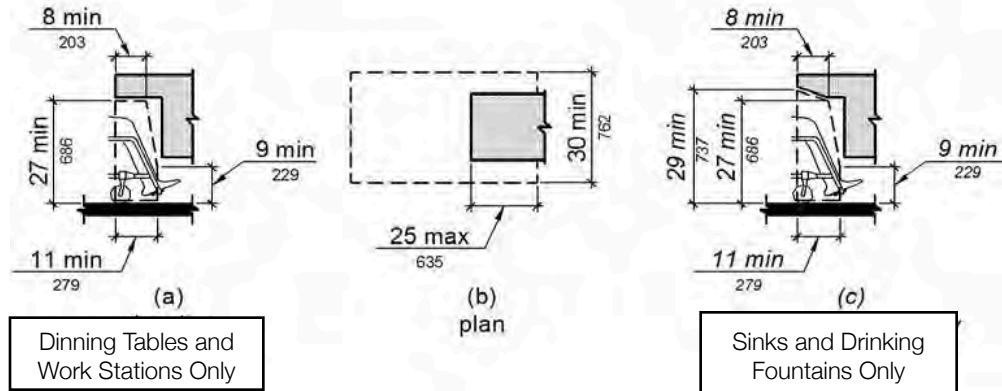
Mount all signage at 80" minimum from finished grade or paving.

A.9

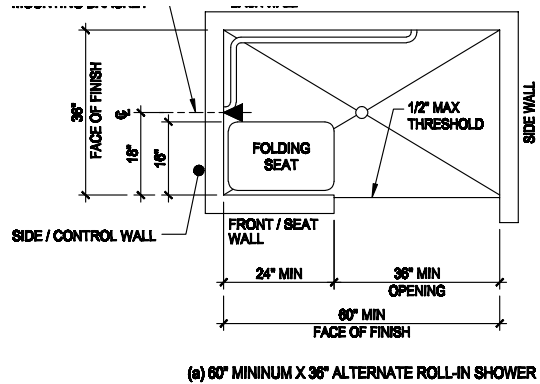
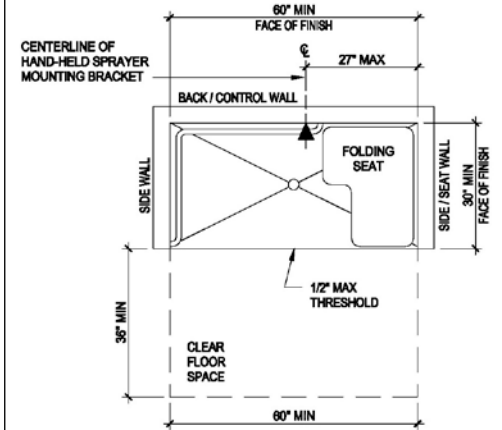
APPENDIX A.10-15 Curb Ramps and Detectable Warning Devices



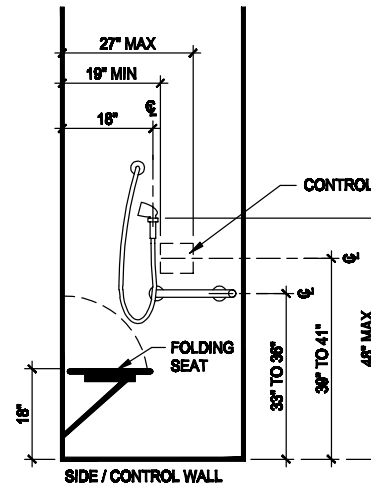
APPENDIX B.1-4 Sinks and Showers



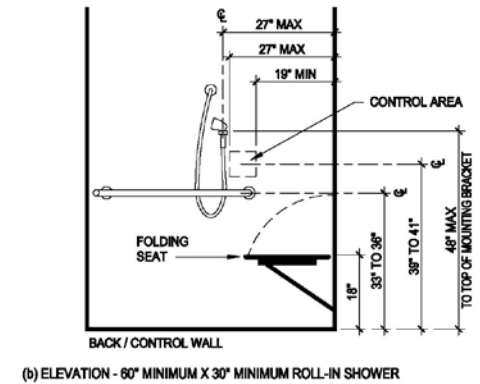
B.1



B.2

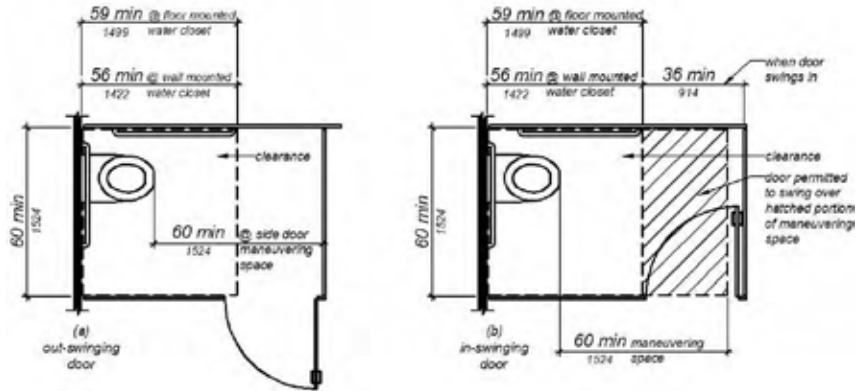


B.3

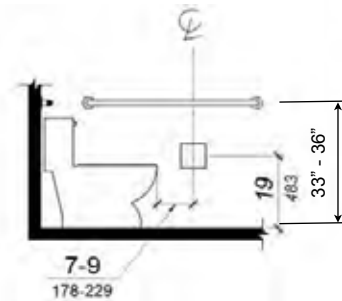


B.4

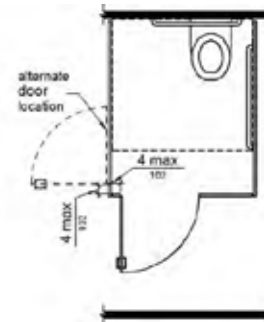
APPENDIX B.5-8 Toilet Rooms



Side Entry Door Placement



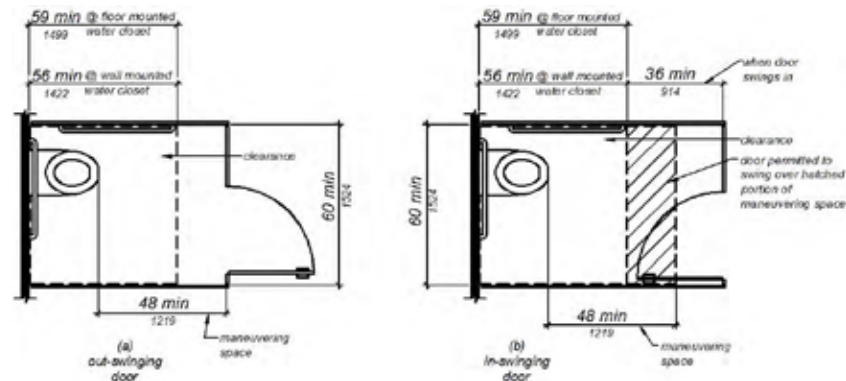
Dispenser Placement



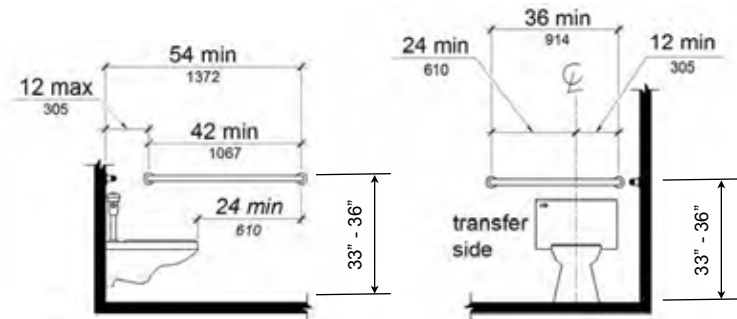
Door Placement

B.6

B.5



Front Entry Door Placement

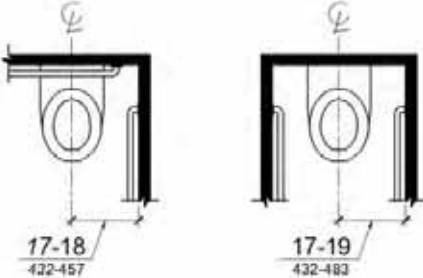
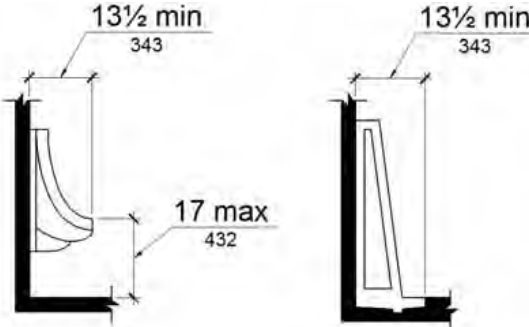
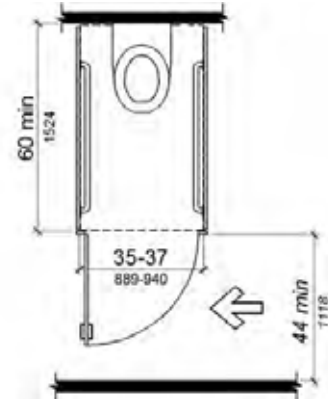
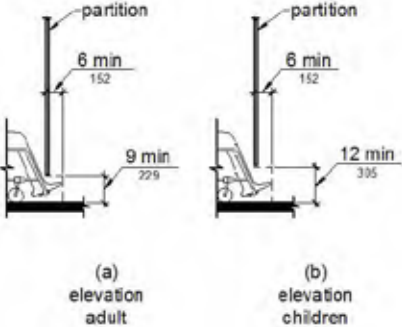
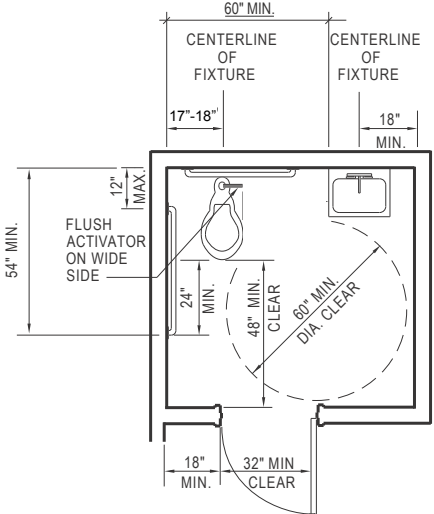


Grab Bar Placement

B.8

B.7

APPENDIX B.9-13 Drinking Fountains

 <p>(a) wheelchair accessible water closets 17-18 432-457</p> <p>(b) ambulatory accessible water closets 17-19 432-483</p>	 <p>(a) wall hung type 13½ min 343 17 max 432</p> <p>(b) stall type 13½ min 343</p> <p>Urinals</p>	 <p>Ambulatory Toilet Stall</p>
 <p>(a) elevation adult 6 min 152 9 min 229</p> <p>(b) elevation children 6 min 152 12 min 305</p> <p>(c) plan 6 min 152</p> <p>Additional Toe Clearance at Toilet Stalls</p>	<p>B.10</p>	 <p>Single Accommodation Toilet</p>

APPENDIX B.14-19 Toilet Room Signage

<p>General Wall Sign Specifications</p> <p>B.14</p>	<p>General Door Sign Specifications</p> <p>B.15</p>	<p>General Mounting Locations</p> <p>B.16</p>
<p>Accepted Door- / Wall Sign Combinations :</p> <p>For Non Accessible Restrooms :</p> <p>For Accessible Restrooms :</p> <p>Examples shown illustrate unisex restrooms only, but these combinations apply to men's and women's restrooms as well.</p> <p>B.17</p>	<p>Assistive Listening Systems</p> <p>B.18</p>	<p>B.19</p>

APPENDIX C.1-6 Ramps and Stairs

<p>(a) SIDEWALK OBSTRUCTIONS RAMPS & SIDEWALKS</p> <p>C.1</p>	<p>(b) GUIDE RAIL RAMPS & SIDEWALKS</p> <p>C.2</p>	<p>(c) WHEEL GUIDE RAMPS & SIDEWALKS</p> <p>C.3</p>
<p>WARNING STRIPES & HANDRAIL EXTENSIONS</p> <p>C.4</p>	<p>C.5</p>	<p>C.6</p>

NOTE: 1
WHEN DOOR SWINGS
ONTO LANDING 42" MIN.
PLUS DOOR WIDTH

NOTE: 2
MAXIMUM HORIZONTAL
DISTANCE OF EACH
RAMP AND RUN VARY

60" MIN.
WHEN NO DOOR SWINGS
ONTO LANDING

SEE NOTE 1

60" MIN.

72" MIN.

SEE NOTE 2

60" MIN.

TOP LANDING

INTERMEDIATE LEVEL LANDING

BOTTOM LEVEL LANDING

AS REQUIRED

(a) STRAIGHT RAMP RUN

NOTE: 1
WHEN DOOR SWINGS
ONTO LANDING 42" MIN.
PLUS DOOR WIDTH

NOTE: 2
MAXIMUM HORIZONTAL
DISTANCE OF EACH
RAMP AND RUN VARY

60" MIN.
WHEN NO DOOR SWINGS
ONTO LANDING

SEE NOTE 1

60" MIN.

72" MIN.

SEE NOTE 2

60" MIN.

TOP LANDING

INTERMEDIATE LEVEL LANDING

INTERMEDIATE TURNING LANDING

AS REQUIRED

72" MIN.

AS REQUIRED

(b) RAMP WITH TURNING LANDING

* WHEN DOOR SWINGS
ONTO LANDING -
42" MIN. PLUS DOOR
WIDTH

WHEN NO DOOR
SWINGS ONTO
LANDING

60" MIN.

SEE NOTE

72" MIN.

60" MIN.

72" MIN.

AS REQUIRED

NOTE: MAXIMUM HORIZONTAL DISTANCES
OF EACH RAMP AND RUN VARY.

(a) RAMP WITH INTERMEDIATE SWITCH BACK LANDING

C.7

(a) 60 INCHES DIAMETER SPACE

(b) T-SHAPED SPACE FOR 180° TURN

(a)
180 degree turn

(b)
180 degree turn
(Exception)

C.8

NOTE: INNER HANDRAIL AT LANDINGS OF STAIRS
THAT DOUBLE BACK OR IMMEDIATELY TURN SHALL
BE CONTINUOUS AND SHALL NOT EXTEND INTO
LANDING OR ACCESSIBLE ROUTE OF TRAVEL

X = EXTENSION OF HANDRAIL SHALL BE EQUAL
TO THE TREAD WIDTH PLUS 12 INCHES MINIMUM

← ACCESSIBLE ROUTE OF TRAVEL →

C.9

C.10

APPENDIX D.1-3 ISA, Reach Ranges and Door Clearances



(a) SYMBOL PROPORTIONS



(b) DISPLAY CONDITIONS

THESE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND ARE INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.

International Symbol of Accessibility

D.1

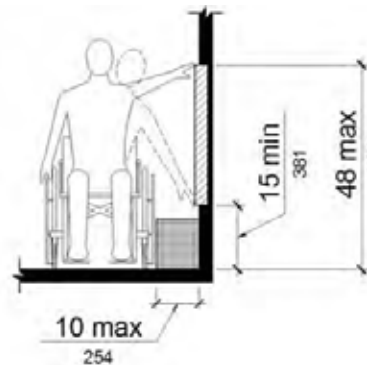


FIGURE 11B-308.2.1
UNOBSTRUCTED FORWARD REACH

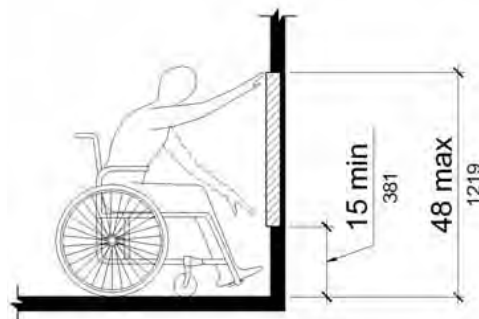
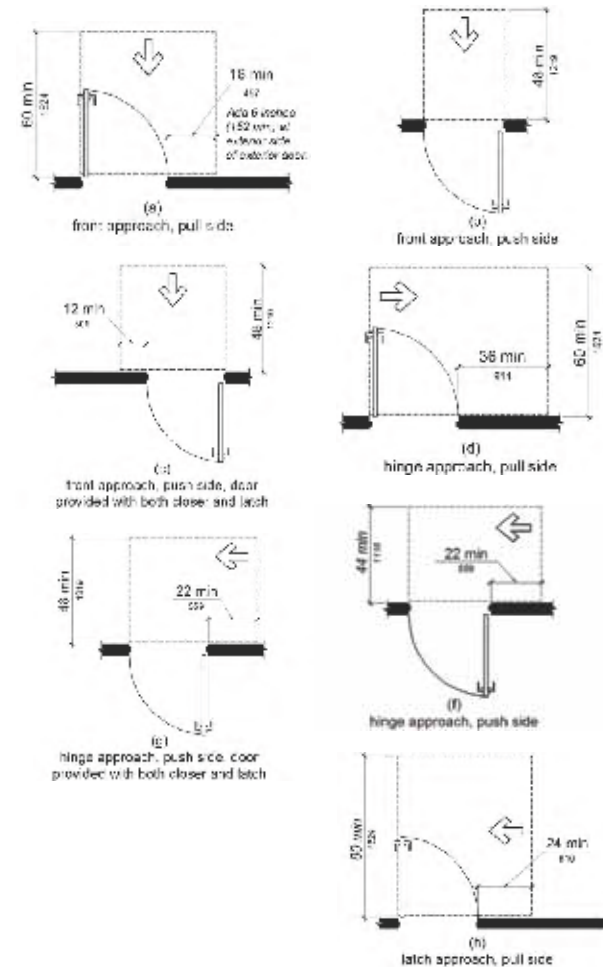


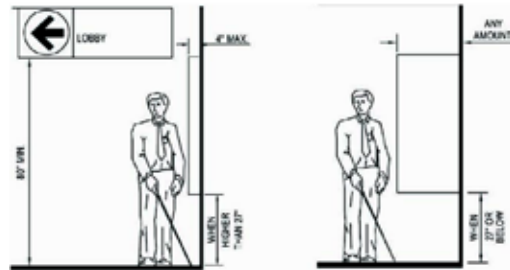
FIGURE 11B-308.3.1
UNOBSTRUCTED SIDE REACH

D.2

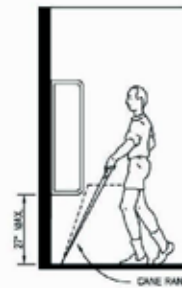


D.3

APPENDIX D.4-6 Elevators and Protruding Objects



WALKING PARALLEL TO A WALL



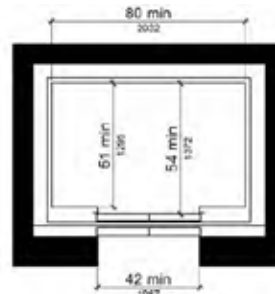
WALKING PERPENDICULAR TO WALL

THESE DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND ARE INTENDED ONLY AS AN AID FOR BUILDING DESIGN AND CONSTRUCTION.

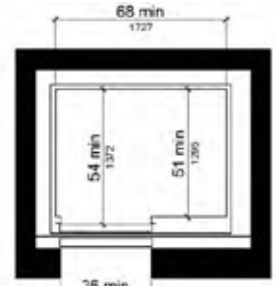


(d)
any door location

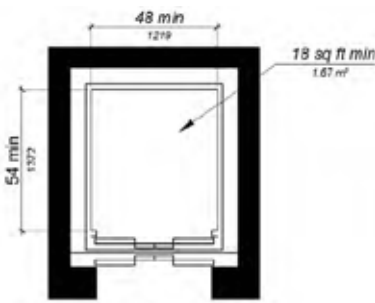
D.4



(a)
centered door

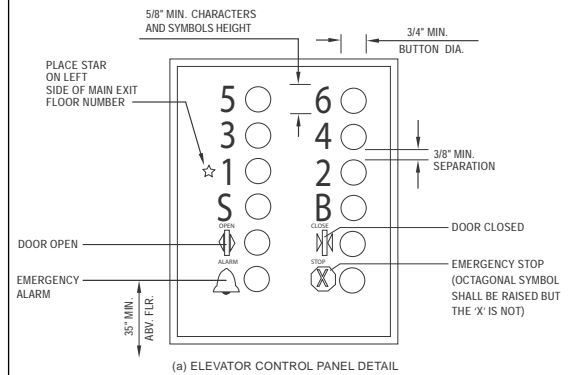


(b)
side (off-centered) door

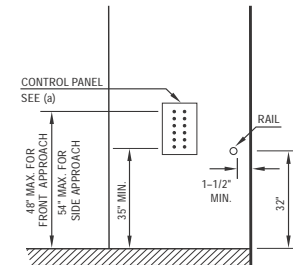


(c)
Exception
existing elevator car configuration

D.5



(a) ELEVATOR CONTROL PANEL DETAIL



(b) MAXIMUM INSTALLATION HEIGHTS ABOVE CAB FLOOR



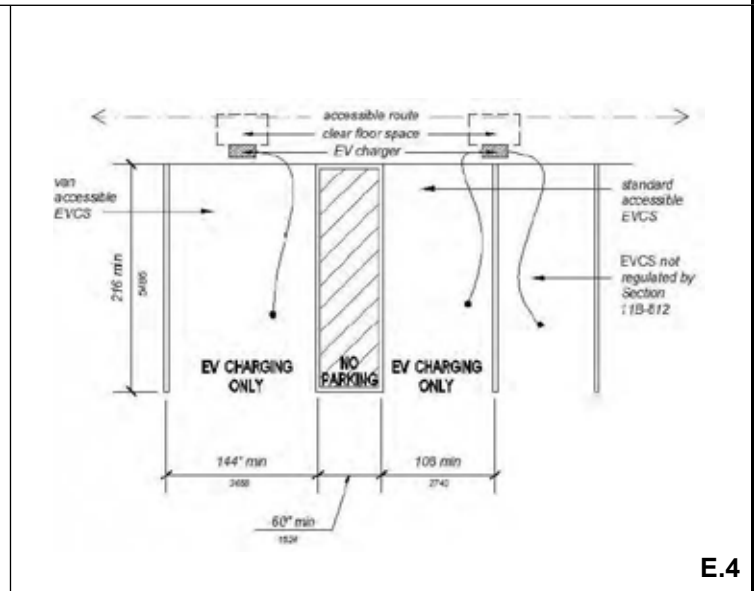
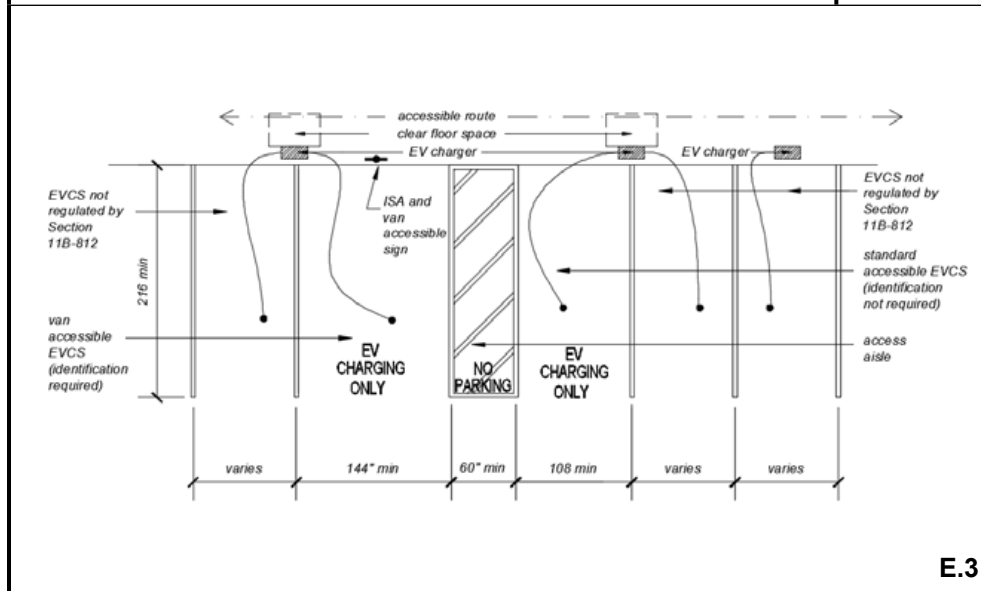
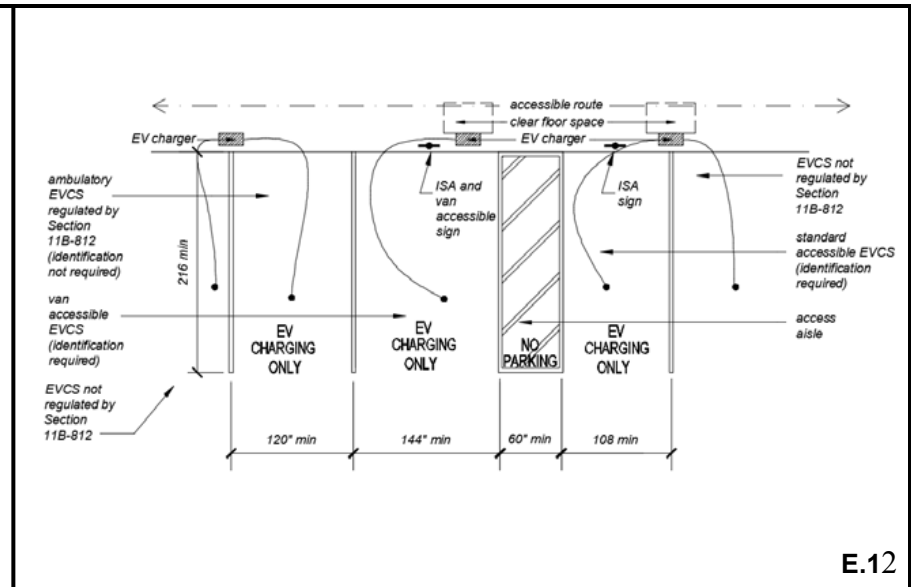
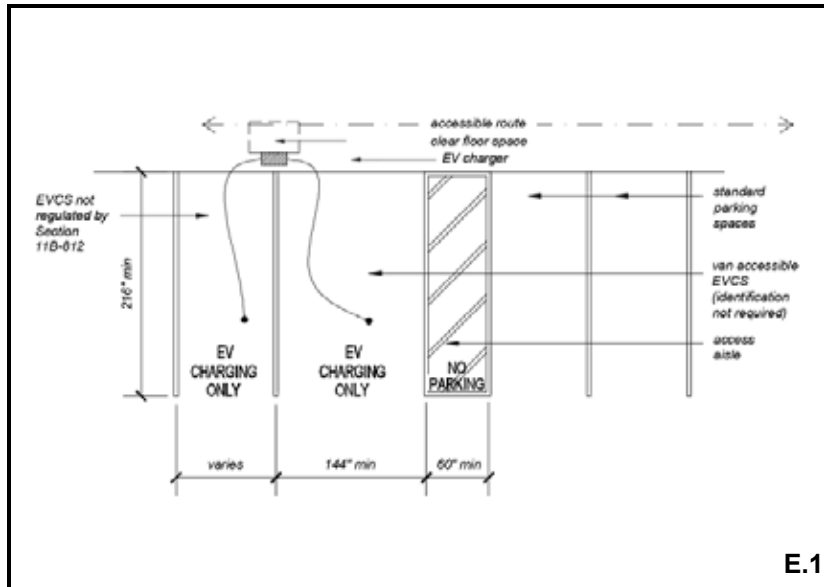
(c)
any door location

D.6

APPENDIX D.7-11



APPENDIX E.1-6 Electric Vehicle Charging Stations



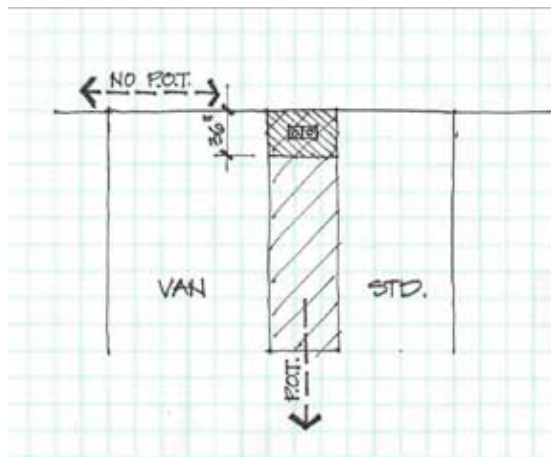
APPENDIX E.5-7 Electric Vehicle Charging Stations

TABLE 11B-228.3.2.1
ELECTRIC VEHICLE CHARGING STATIONS FOR PUBLIC USE AND COMMON USE

TOTAL NUMBER OF EVCS AT A FACILITY*	MINIMUM NUMBER (by type) OF EVCS REQUIRED TO COMPLY WITH SECTION 11B-812 ¹		
	Van Accessible	Standard Accessible	Ambulatory
1 to 4	1	0	0
5 to 25	1	1	0
26 to 50	1	1	1
51 to 75	1	2	2
76 to 100	1	3	3
101 and over	1, plus 1 for each 300, or fraction thereof, over 100	3, plus 1 for each 60, or fraction thereof, over 100	3, plus 1 for each 50, or fraction thereof, over 100

1. Where an EV charger can simultaneously charge more than one vehicle, the number of EVCS provided shall be considered equivalent to the number of electric vehicles that can be simultaneously charged.

E.5



E.6

Not Used

E.7