

ADA Non Compliance Codes and ADA Data Dictionary

This document is part of the index and reference documents attached to the WSDOT ADA Transition Plan. The codes and terms used in the WSDOT self-evaluation data are defined within.

Non-Compliance Details

underline refers to a dimension as shown in *ADA Data Dictionary Diagrams*

APS Button

Key	Detail	Page-Dim.
a	The <u>distance to curb face</u> exceeds the requirement. _____	17 – 24
b	The <u>distance to pass-thru</u> exceeds the requirement. _____	19, 20, 22, 23
c	The <u>distance to landing</u> exceeds the requirement. _____	17 – 24
d	The distance from the button to the clear-space exceeds the requirement. _____	17 – 24
e	The APS clear-space size is less than the requirement. _____	25
h	The clear-space cross-slope exceeds the requirement. _____	25- <u>CS1</u>
i	The clear-space cross-slope exceeds the requirement. _____	25- <u>CS2</u>
k	There is no button contrast. _____	16
l	The button <u>width</u> is less than the requirement. _____	16- <u>W</u>
m	The <u>button height</u> exceeds the requirement. _____	16
n	There is no arrow or it is not parallel to the crosswalk. _____	16
o	There is no arrow or it does not contrast. _____	16
p	The button is not audible.	
q	The button does not vibrate.	
r	There is no arrow or it is not tactile.	
s	Separately mounted buttons 1 & 2 are closer than the requirement. _____	23
t	Separately mounted buttons 2 & 3 are closer than the requirement. _____	23
u	Separately mounted buttons 3 & 1 are closer than the requirement. _____	23
w	There is no sign on the housing. _____	16
x	There is no sign on the housing or there is no street name on the sign. _____	16
y	There is no sign on the housing or there is no braille street name on the sign. _____	16
z	There is no sign on the housing or the street name is not parallel to the crosswalk. _____	17 – 24
ab	There is no sign on the housing or the street name is not audible.	

APS Signal

Key	Detail	Page-Dim.
a	The signal height is less than the requirement. _____	26- <u>V</u>
b	The signal is not audible.	

Crosswalk

Key	Detail	Page-Dim.
a	The run-slope on a portion of the crosswalk exceeds the requirement. _____	11- <u>RS</u>
b	The cross-slope on a portion of the crosswalk exceeds the requirement. _____	11- <u>CS</u>
c	The run-slope on another portion of the crosswalk exceeds the requirement. _____	11- <u>RS</u>
d	The cross-slope on another portion of the crosswalk exceeds the requirement. _____	11- <u>CS</u>

Crosswalk Obstruction

Key	Detail	Page-Dim.
a	in progress... _____	9 & 10
b	in progress... _____	9 & 10

Non-Compliance Details

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Bridge End Ramp

Key	Detail	Page-Dim.
a	The ramp width is less than the requirement. _____	5- <u>W</u>
b	The ramp cross-slope exceeds the requirement. _____	5- <u>CS</u>
c	The ramp run-slope exceeds the requirement. _____	5- <u>RS</u>
d	The grade break at the bottom of the ramp is not flush. _____	5- <u>GB1</u>
e	The grade break at the top of the ramp is not flush. _____	5- <u>GB2</u>

Curb Ramp Combination

Key	Detail	Page-Dim.
a	The clear-space width is less than the requirement. _____	6
b	The primary ramp width is less than the requirement. _____	3- <u>W#1</u>
c	The primary ramp length exceeds the requirement. _____	3- <u>L#1</u>
d	The primary ramp cross-slope exceeds the requirement. _____	3- <u>CS#1</u>
e	The primary ramp run-slope exceeds the requirement. _____	3- <u>RS#1</u>
g	There is no <u>LANDING</u> present. _____	3
i	The landing length is less than the requirement. _____	3- <u>Length</u>
j	The landing width is less than the requirement. _____	3- <u>Width</u>
k	The landing width slope exceeds the requirement. _____	3- <u>CSW%</u>
l	The landing length slope exceeds the requirement. _____	3- <u>CSL%</u>
n	The left ramp width is less than the requirement. _____	3- <u>W#2</u>
o	The left ramp length exceeds the requirement. _____	3- <u>L#2</u>
p	The left ramp cross-slope exceeds the requirement. _____	3- <u>CS#2</u>
q	The left ramp run-slope exceeds the requirement. _____	3- <u>RS#2</u>
s	The right ramp width is less than the requirement. _____	3- <u>W#3</u>
t	The right ramp length exceeds the requirement. _____	3- <u>L#3</u>
u	The right ramp cross-slope exceeds the requirement. _____	3- <u>CS#3</u>
v	The right ramp run-slope exceeds the requirement. _____	3- <u>RS#3</u>
w	The counter-slope exceeds the requirement. _____	3- <u>③</u>
x	The Pavement grade-break is not flush. _____	3- <u>GB1</u>
y	The Gutter grade-break is not flush. _____	3- <u>GB2</u>
z	The Curb grade-break is not flush. _____	3- <u>GB3</u>
aa	The Landing grade-break is not flush. _____	3- <u>GB4</u>
ab	The Left ramp bottom grade-break is not flush. _____	3- <u>GB5</u>
ac	The Left ramp top grade-break is not flush. _____	3- <u>GB6</u>
ad	The Right ramp bottom grade-break is not flush. _____	3- <u>GB7</u>
ae	The Right ramp top grade-break is not flush. _____	3- <u>GB8</u>
da	There is no Detectable Warning Surface. _____	7
db	The Detectable Warning Surface is not truncated domes. _____	7
dc	The Detectable Warning Surface is not solid. _____	7
dd	The Detectable Warning Surface color is not DOT - Yellow. _____	7
de	The Detectable Warning Surface <u>curb gap</u> exceeds the requirement. _____	7
df	The Detectable Warning Surface length is not the width of the landing. _____	7- <u>L</u>
dg	The Detectable Warning Surface width is less than the requirement. _____	7- <u>W</u>

Non-Compliance Details

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Curb Ramp None

Key	Detail	Page-Dim.
a	Field observation indicates a location where a ramp is not installed.	

Curb Ramp Other

Key	Detail	Page-Dim.
a	Field observation did not identify this ramp as conforming to a conventional type. The ramp needs to be reviewed in the field.	

Curb Ramp Parallel

Key	Detail	Page-Dim.
a	The clear-space width is less than the requirement. _____	6
b	There is no <u>LANDING</u> present. _____	2
d	The landing length is less than the requirement. _____	2- <u>Length</u>
e	The landing width is less than the requirement. _____	2- <u>Width</u>
f	The landing width slope exceeds the requirement. _____	2- <u>CSW%</u>
g	The landing length slope exceeds the requirement. _____	2- <u>CSL%</u>
i	The left ramp width is less than the requirement. _____	2- <u>W#2</u>
j	The left ramp length exceeds the requirement. _____	2- <u>L#2</u>
k	The left ramp cross-slope exceeds the requirement. _____	2- <u>CS#2</u>
l	The left ramp run-slope exceeds the requirement. _____	2- <u>RS#2</u>
n	The right ramp width is less than the requirement. _____	2- <u>W#3</u>
o	The right ramp length exceeds the requirement. _____	2- <u>L#3</u>
p	The right ramp cross-slope exceeds the requirement. _____	2- <u>CS#3</u>
q	The right ramp run-slope exceeds the requirement. _____	2- <u>RS#3</u>
r	The counter-slope exceeds the requirement. _____	2- <u>③</u>
s	The Pavement grade-break is not flush. _____	2- <u>GB1</u>
t	The Gutter grade-break is not flush. _____	2- <u>GB2</u>
u	The Curb grade-break is not flush. _____	2- <u>GB3</u>
v	The Left ramp bottom grade-break is not flush. _____	2- <u>GB4</u>
w	The Left ramp top grade-break is not flush. _____	2- <u>GB5</u>
x	The Right ramp bottom grade-break is not flush. _____	2- <u>GB6</u>
y	The Right ramp top grade-break is not flush. _____	2- <u>GB7</u>
da	There is no Detectable Warning Surface. _____	7
db	The Detectable Warning Surface is not truncated domes. _____	7
dc	The Detectable Warning Surface is not solid. _____	7
dd	The Detectable Warning Surface color is not DOT - Yellow. _____	7
de	The Detectable Warning Surface <u>curb gap</u> exceeds the requirement. _____	7
df	The Detectable Warning Surface length is not the width of the landing. _____	7- <u>L</u>
dg	The Detectable Warning Surface width is less than the requirement. _____	7- <u>W</u>

Non-Compliance Details

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Curb Ramp Parallel One Direction

Key	Detail	Page-Dim.
a	The clear-space width is less than the requirement. _____	6
b	There is no <u>LANDING</u> present. _____	4
d	The landing length is less than the requirement. _____	4- <u>D#1</u>
f	The landing width is less than the requirement. _____	4- <u>W#1</u>
g	The landing width slope exceeds the requirement. _____	4- <u>CSW</u>
h	The landing length slope exceeds the requirement. _____	4- <u>CSL</u>
i	The ramp length exceeds the requirement. _____	4- <u>Length</u>
j	The ramp cross-slope exceeds the requirement. _____	4- <u>CS</u>
k	The ramp run-slope exceeds the requirement. _____	4- <u>RS</u>
l	The ramp width is less than the requirement. _____	4- <u>W#2</u>
m	The top area width slope exceeds the requirement. _____	4- <u>CSW</u>
n	The top area length slope exceeds the requirement. _____	4- <u>CSL</u>
o	The counter-slope exceeds the requirement. _____	4- <u>③</u>
p	The Pavement grade-break is not flush. _____	4- <u>GB1</u>
q	The Gutter grade-break is not flush. _____	4- <u>GB2</u>
r	The Curb grade-break is not flush. _____	4- <u>GB3</u>
s	The ramp bottom grade-break is not flush. _____	4- <u>GB4</u>
t	The ramp top grade-break is not flush. _____	4- <u>GB5</u>
u	The top area grade-break is not flush. _____	4- <u>GB6</u>
da	There is no Detectable Warning Surface. _____	7
db	The Detectable Warning Surface is not truncated domes. _____	7
dc	The Detectable Warning Surface is not solid. _____	7
dd	The Detectable Warning Surface color is not DOT - Yellow. _____	7
de	The Detectable Warning Surface <u>curb gap</u> exceeds the requirement. _____	7
df	The Detectable Warning Surface length is not the width of the landing. _____	7- <u>L</u>
dg	The Detectable Warning Surface width is less than the requirement. _____	7- <u>W</u>

Non-Compliance Details

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Curb Ramp Perpendicular

Key	Detail	Page-Dim.
a	The clear-space width is less than the requirement. _____	6
b	The ramp width is less than the requirement. _____	1- <u>W</u>
c	The ramp length exceeds the requirement. _____	1- <u>L</u>
d	The ramp cross-slope exceeds the requirement. _____	1- <u>CS</u>
e	The ramp run-slope exceeds the requirement. _____	1- <u>RS</u>
g	The <u>Flare #1 Slope</u> exceeds the requirement. _____	1
i	The <u>Flare #2 Slope</u> exceeds the requirement. _____	1
j	There is no <u>LANDING</u> present. _____	1
k	The landing length is less than the requirement. _____	1- <u>L</u>
l	The landing width is less than the requirement. _____	1- <u>W</u>
m	The landing width slope exceeds the requirement. _____	1- <u>CSW</u>
n	The landing length slope exceeds the requirement. _____	1- <u>CSL</u>
o	The counter-slope exceeds the requirement. _____	1- <u>③</u>
p	The Pavement grade-break is not flush. _____	1- <u>GB1</u>
q	The Gutter grade-break is not flush. _____	1- <u>GB2</u>
r	The Curb grade-break is not flush. _____	1- <u>GB3</u>
s	The ramp top grade-break is not flush. _____	1- <u>GB4</u>
t	The Landing left grade-break is not flush. _____	1- <u>GB5</u>
u	The Landing right grade-break is not flush. _____	1- <u>GB6</u>
da	There is no Detectable Warning Surface. _____	7
db	The Detectable Warning Surface is not truncated domes. _____	7
dc	The Detectable Warning Surface is not solid. _____	7
dd	The Detectable Warning Surface color is not DOT - Yellow. _____	7
de	The Detectable Warning Surface <u>curb gap</u> exceeds the requirement. _____	7
df	The Detectable Warning Surface length is not the width of the landing. _____	7- <u>L</u>
dg	The Detectable Warning Surface width is less than the requirement. _____	7- <u>W</u>

Detectable Warning Surface Other

Key	Detail	Page-Dim.
dc	The Detectable Warning Surface is not solid.	

Driveway

Key	Detail	Page-Dim.
a	The left ramp top grade-break is not flush. _____	12- <u>GB1</u>
b	The driveway left grade-break is not flush. _____	12- <u>GB2</u>
c	The driveway right grade-break is not flush. _____	12- <u>GB3</u>
d	The right ramp top grade-break is not flush. _____	12- <u>GB4</u>
e	The <u>Point #1</u> width is less than the requirement. _____	12- <u>W</u>
f	The <u>Point #1</u> cross-slope exceeds the requirement. _____	12- <u>CS%</u>
g	The <u>Point #1</u> run-slope exceeds the requirement. _____	12- <u>RS %</u>
h	The <u>Point #2</u> width is less than the requirement. _____	12- <u>W</u>
i	The <u>Point #2</u> cross-slope exceeds the requirement. _____	12- <u>CS%</u>
j	The <u>Point #3</u> width is less than the requirement. _____	12- <u>W</u>
k	The <u>Point #3</u> cross-slope exceeds the requirement. _____	12- <u>CS%</u>
l	The <u>Point #3</u> run-slope exceeds the requirement. _____	12- <u>RS %</u>

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Edge Protection

Key	Detail	Page-Dim.
a	The left <u>Barrier</u> height exceeds the requirement. _____	31- <u>HL</u>
b	The left <u>Curb</u> height exceeds the requirement. _____	31- <u>HL</u>
c	The left extended surface distance is less than the requirement. _____	31- <u>EDL</u>
d	The right <u>Barrier</u> height exceeds the requirement. _____	31- <u>HR</u>
e	The right <u>Curb</u> height exceeds the requirement. _____	31- <u>HR</u>
f	The left extended surface distance is less than the requirement. _____	31- <u>EDR</u>

Handrail

Key	Detail	Page-Dim.
a	There is a handrail on only one side. _____	32
b	The bottom handrail height is less than or exceeds the requirement. _____	32- <u>HH</u>
d	The top handrail height is less than or exceeds the requirement. _____	32- <u>HH</u>
e	The top extension distance is less than the requirement. _____	32- <u>ED</u>
g	The non-circular perimeter is less than or exceeds the requirement. _____	32
h	The <u>support distance</u> is less than the requirement. _____	32
i	The distance to the adjacent surface is less than the requirement. _____	32
J	The non-circular cross section exceeds the requirement. _____	32

Independent Facility Adjacent Rest Area

Key	Detail	Page-Dim.
a	Field note states: Not ADA accessible. _____	27

Independent Facility Interval

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	30

Independent Facility

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	30

Independent Facility Obstruction

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	9 & 10

Independent Facility Segment

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	30

Non-Compliance Details

underline refers to a dimension as shown in *ADA Data Dictionary Diagrams*

Independent Pedestrian Bridge Crossing

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	30

Independent Pedestrian Bridge Interval

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	30

Independent Pedestrian Bridge Obstruction

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	9 & 10

Independent Pedestrian Bridge Segment

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	30

Independent Shared Use Path

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	28

Independent Shared Use Path Adjacent Rest Area

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	27

Independent Shared Use Path Interval

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	28

Independent Shared Use Path Obstruction

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	9 & 10

Independent Shared Use Path Segment

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	28

Non-Compliance Details

underline refers to a dimension as shown in *ADA Data Dictionary Diagrams*

Independent Walkway

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	29

Independent Walkway Adjacent Rest Area

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	27

Independent Walkway Interval

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	29

Independent Walkway Obstruction

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	9 & 10

Independent Walkway Segment

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	29

Intersection

Key	Detail	Page-Dim.
zz	Requirements not yet applied.	

Island Pass Through

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	14

Median Pass Through

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	15

Parking Aisle

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	35

Non-Compliance Details

underline refers to a dimension as shown in *ADA Data Dictionary Diagrams*

Parking Sign

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	35

Parking Stall

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	35

Pass Through Other

Key	Detail	Page-Dim.
a	Field observation did not identify this pass-through as conforming to a conventional type. The pass-through needs to be reviewed in the field.	

Rail Crossing

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	33

Sidewalk Adjacent

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	8

Sidewalk End Ramp

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	5

Sidewalk Interval

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	8

Sidewalk Obstruction

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	9 & 10

Site Parking Description

Key	Detail	Page-Dim.
zz	Requirements not yet applied.	

Non-Compliance Details

underline refers to a dimension as shown in *ADA Data Dictionary Diagrams*

Stairs

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	34

Stairs Interval

Key	Detail	Page-Dim.
zz	Requirements not yet applied. _____	34

Other Point

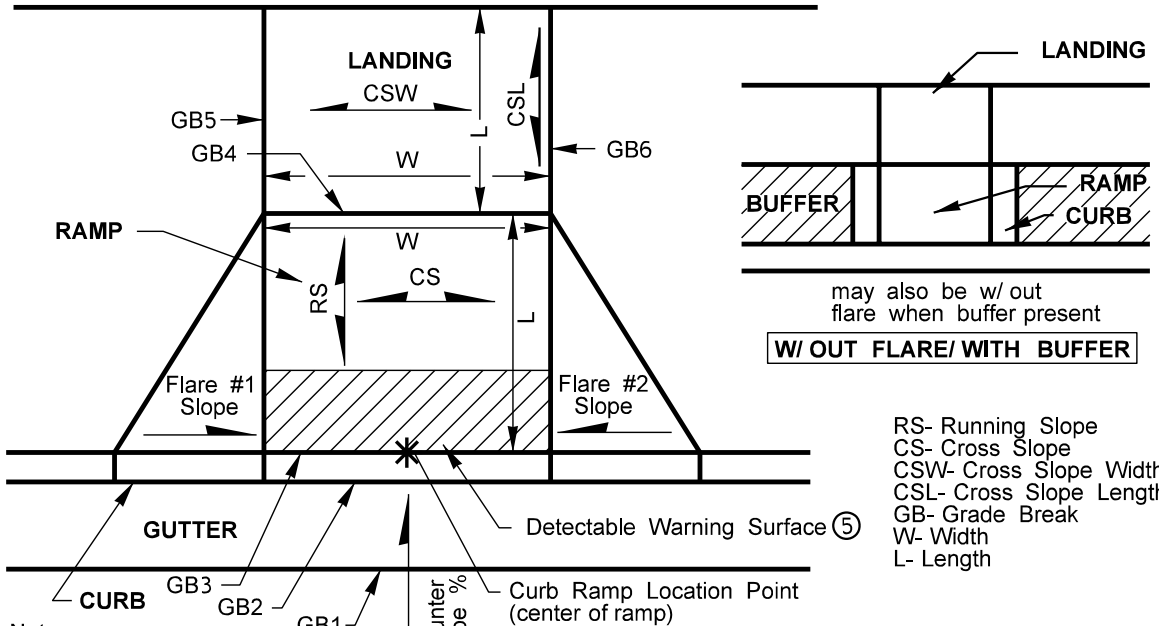
Key	Detail	Page-Dim.
zz	Requirements not yet applied.	

ADA DATA DICTIONARY DIAGRAMS

2nd Edition
December 2010

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Washington State Department of Transportation



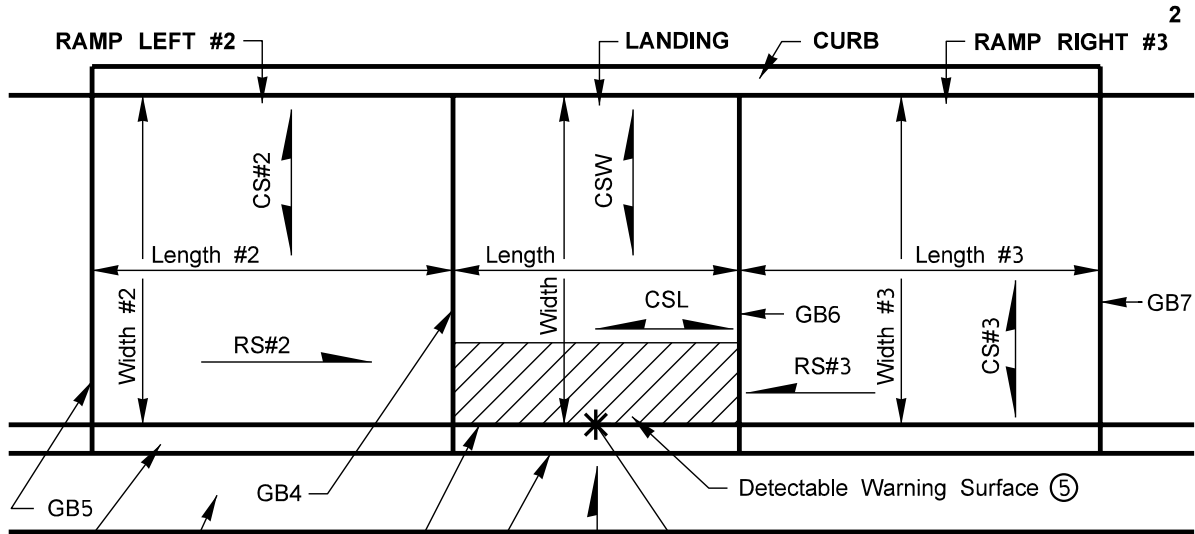
may also be w/ out flare when buffer present
W/ OUT FLARE/ WITH BUFFER

RS- Running Slope
 CS- Cross Slope
 CSW- Cross Slope Width
 CSL- Cross Slope Length
 GB- Grade Break
 W- Width
 L- Length

Notes:

- ① Measurement always taken in center of element, except where noted.
- ② Grade Breaks must be flush the entire width. Take worse case measurement for entire width.
- ③ Counter Slopes are measured from face of curb to edge of gutter or 2 ft. max. from face of curb when gutter not present.
- ④ Slope arrow indicates positive read. If both directions shown just record value.
- ⑤ See Detectable Warning Surface detail.
- ⑥ Flare Slope measured parallel to curb.

PERPENDICULAR CURB RAMP



Notes:

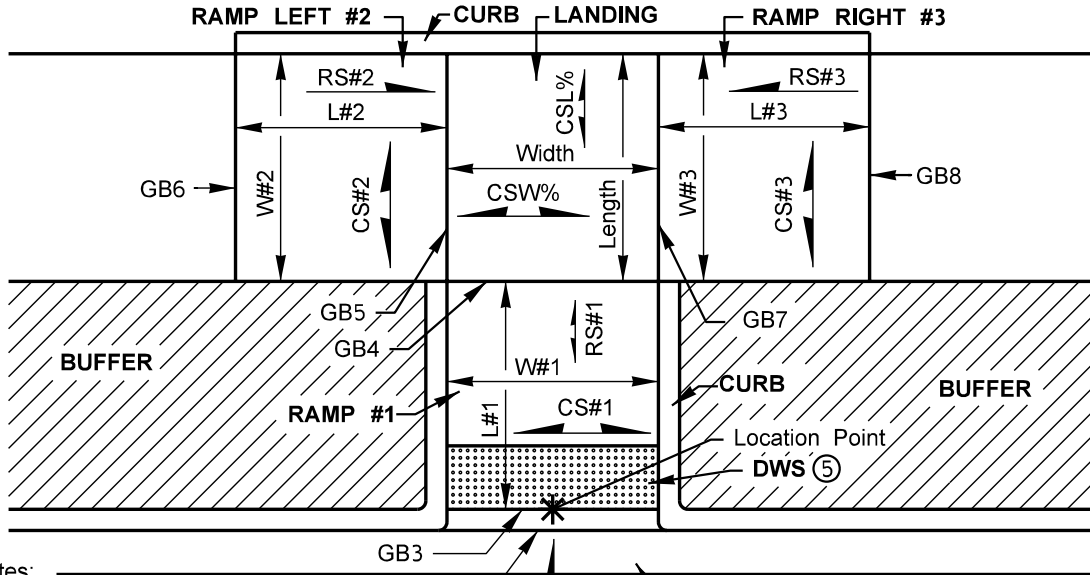
- ① Measurement always taken in center of element, except where noted.
- ② Grade Breaks must be flush the entire width. Take worse case measurement for entire width.
- ③ Counter Slopes are measured from face of curb to edge of gutter or 2 ft. max. from face of curb when gutter not present.
- ④ Slope arrow indicates positive read. If both directions shown just record value.
- ⑤ See Detectable Warning Surface detail.

③ Counter Slope %

Curb Ramp Location Point (center of ramp)

CS- Cross Slope
 CSW- Cross Slope Width
 CSL- Cross Slope Length
 GB- Grade Break
 RS- Running Slope

PARALLEL CURB RAMP



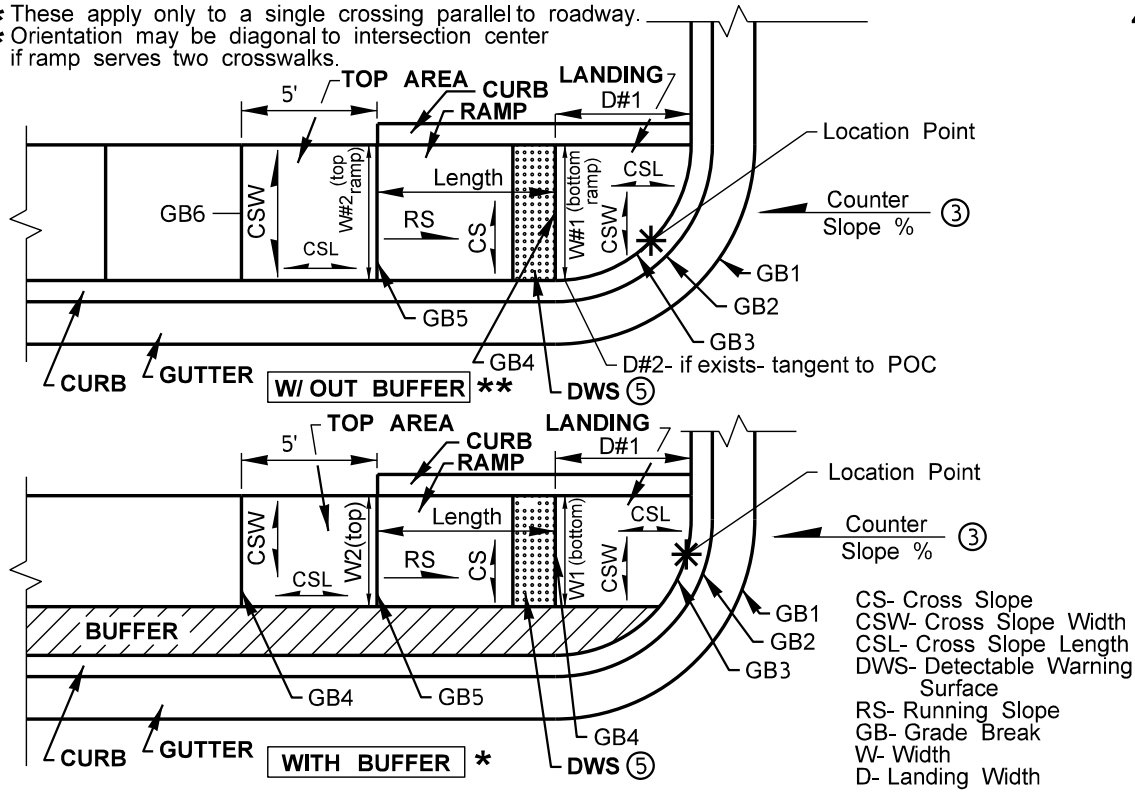
Notes:

- ① Measurement always taken in center of element, except where noted.
- ② Grade Breaks must be flush the entire width. Take worse case measurement for entire width.
- ③ Counter Slopes are measured from face of curb to edge of gutter or 2 ft. max. from face of curb when gutter not present.
- ④ Slope arrow indicates positive read. If both directions shown, just record value.
- ⑤ See Detectable Warning Surface detail.

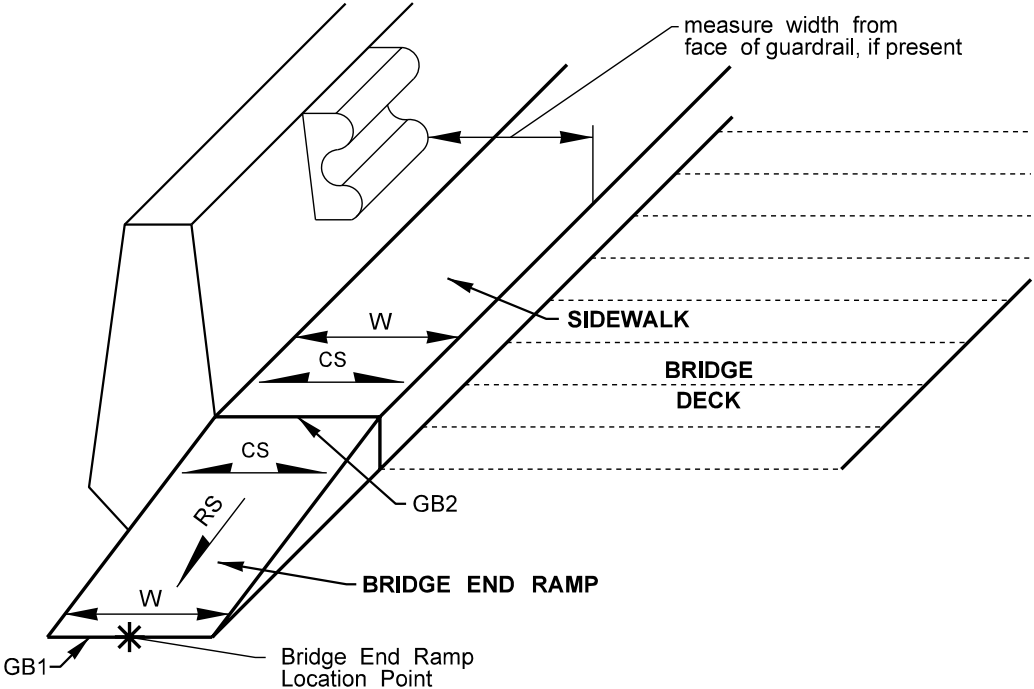
- RS- Running Slope
- CS- Cross Slope
- W- Width
- L- Length
- GB- Grade Break
- DWS- Detectable Warning Surface

COMBINATION CURB RAMP

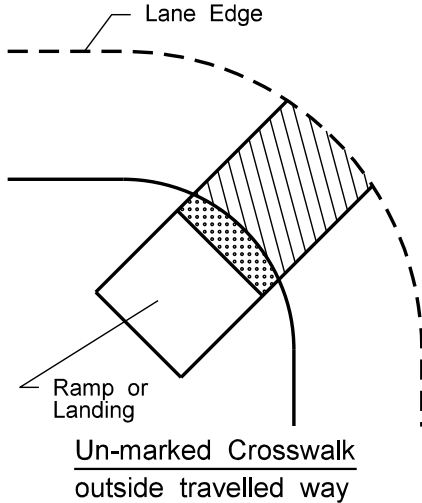
* These apply only to a single crossing parallel to roadway.
 ** Orientation may be diagonal to intersection center if ramp serves two crosswalks.



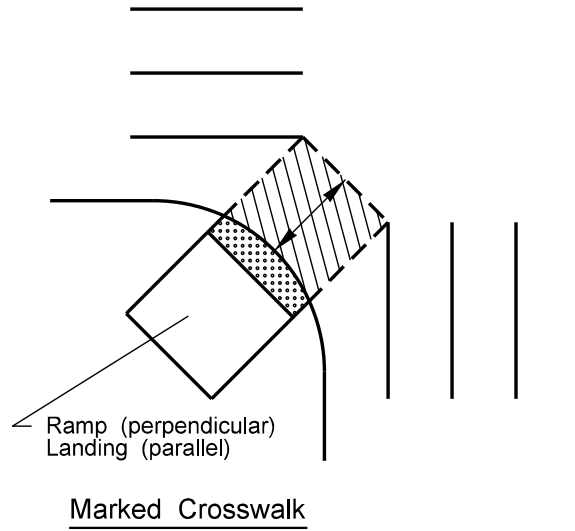
PARALLEL CURB RAMP-One Direction



SIDEWALK ON BRIDGE/BRIDGE END RAMP

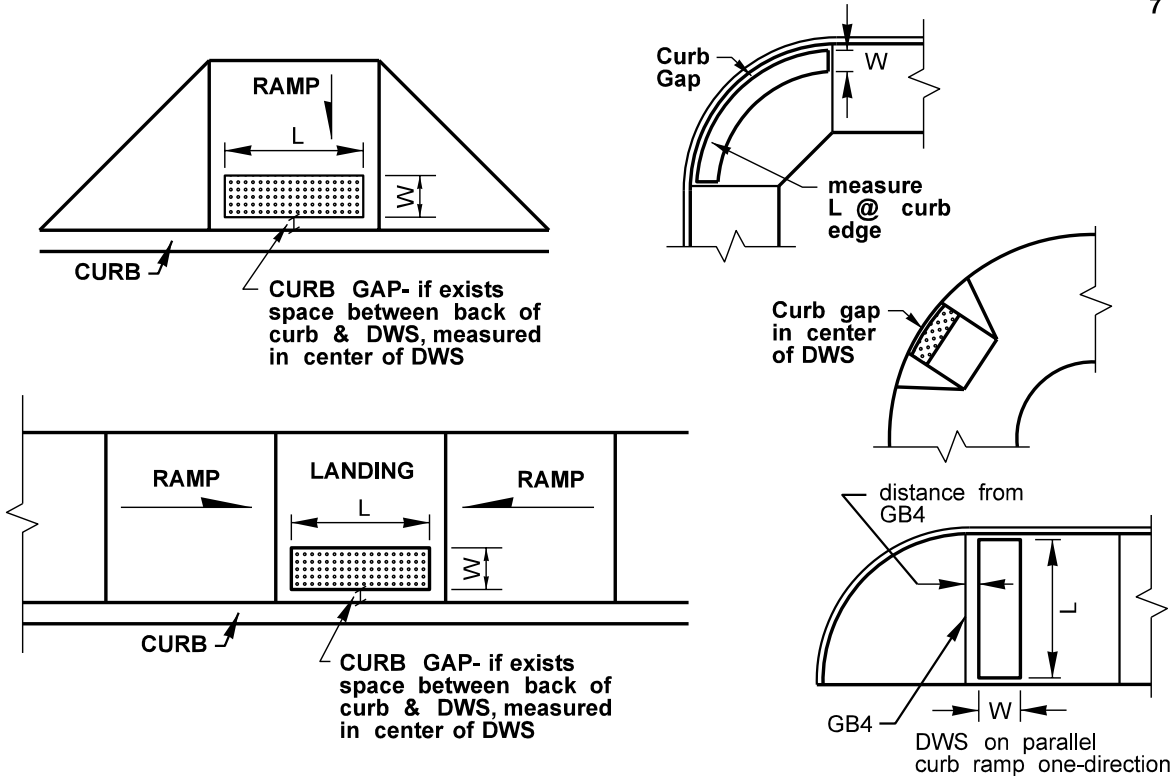


Measure Clear Space from center of ramp/landing face of curb \perp , area within crosswalk or outside travelled way.

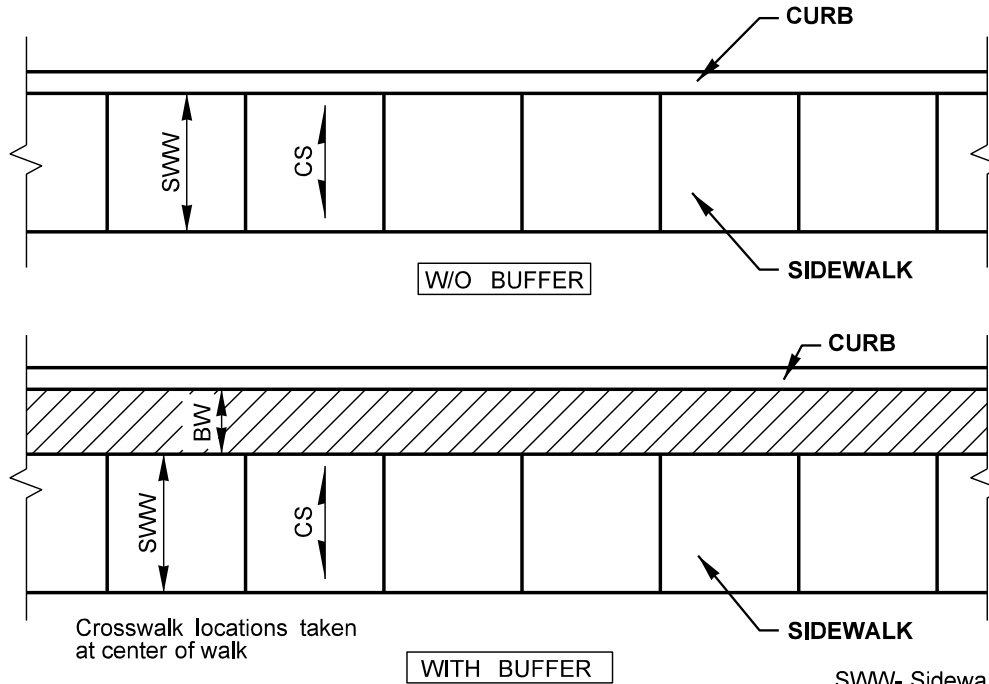


* serves two crosswalks and points toward center of intersection

DIAGONAL CURB RAMP*- Clear Space



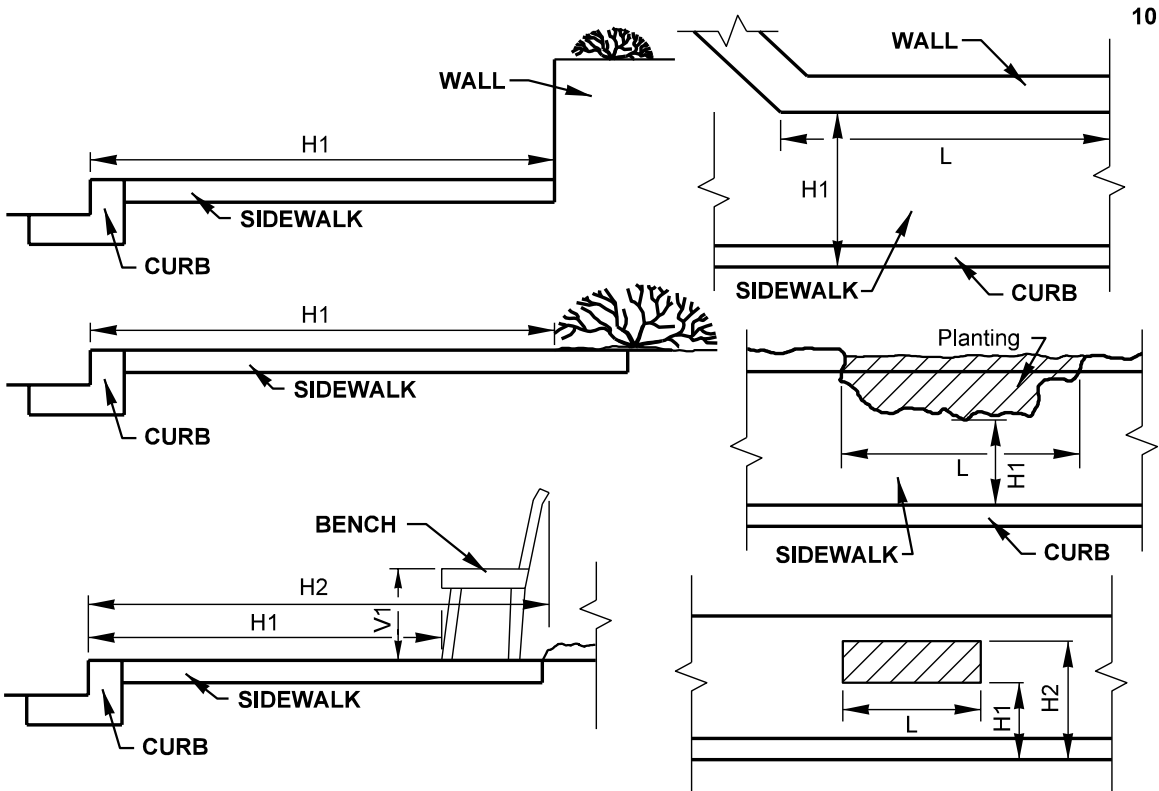
DWS- Detectable Warning Surface



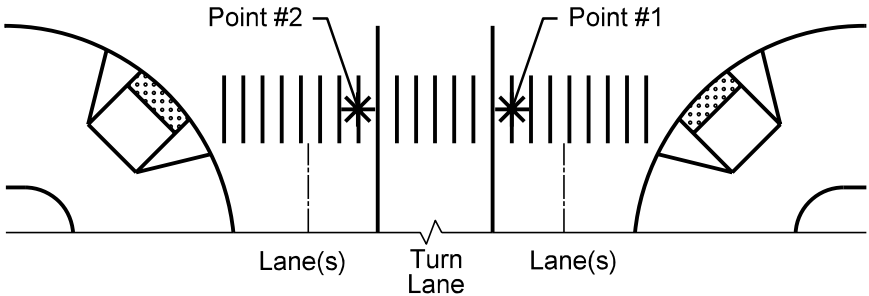
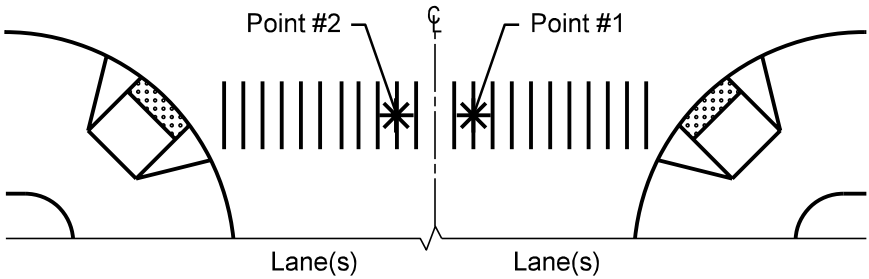
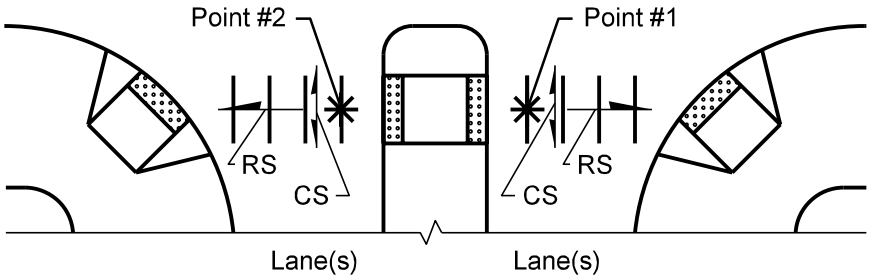
Crosswalk locations taken at center of walk

SWW- Sidewalk Width
BW- Buffer Width
CS- Cross Slope

SIDEWALK ADJACENT



OBSTRUCTIONS

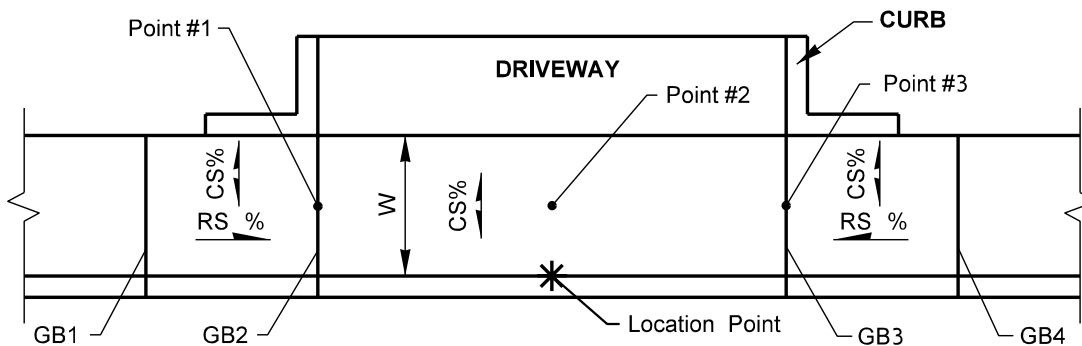


Notes:

- 1) Points 1 & 2 best taken in center of lane to avoid wheel ruts.
- 2) RS & CS taken at points #1 & #2.
- 3) Measurements taken in middle of crosswalk-marked or unmarked.

***** Location of RS & CS.
No GPS at these locations.

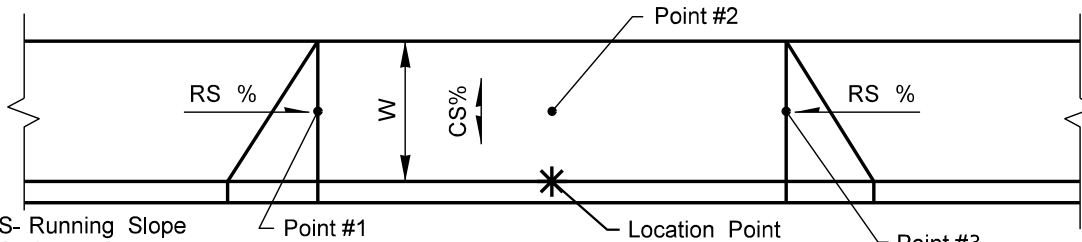
CROSSWALK



PARALLEL ACCESS

Notes:

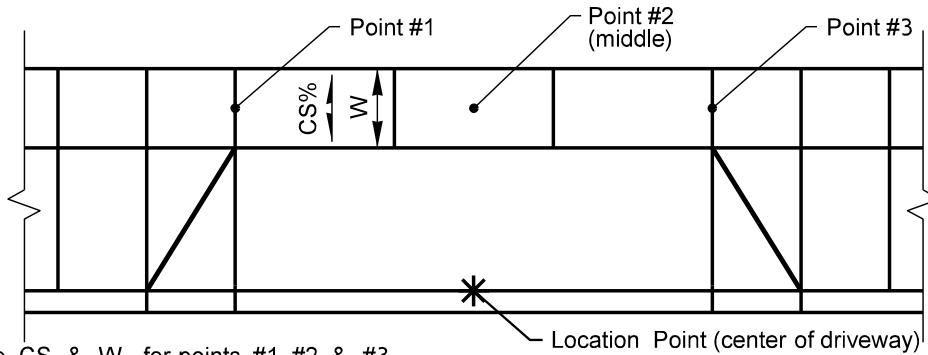
- ① Measure CS & W for points #1, #2, & #3 of driveway.
- ② RS shall be taken as shown for points 1 & 3 of no PAR of flare area.
- ③ On No PAR, project points #1 & #3 from where flare intercepts driveway approach and 3' from back of sidewalk.



NO PAR

- RS- Running Slope
- CS- Cross Slope
- W- Width
- PAR- Pedestrian Accessible Route
- GB- Grade Break

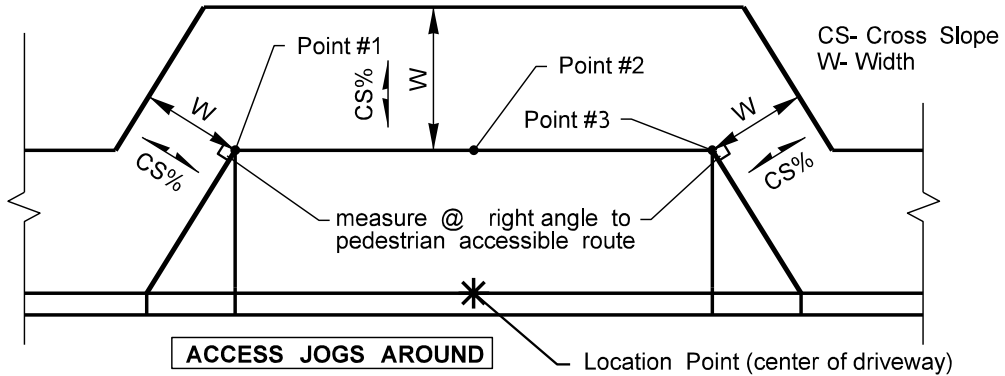
DRIVEWAYS



Notes:

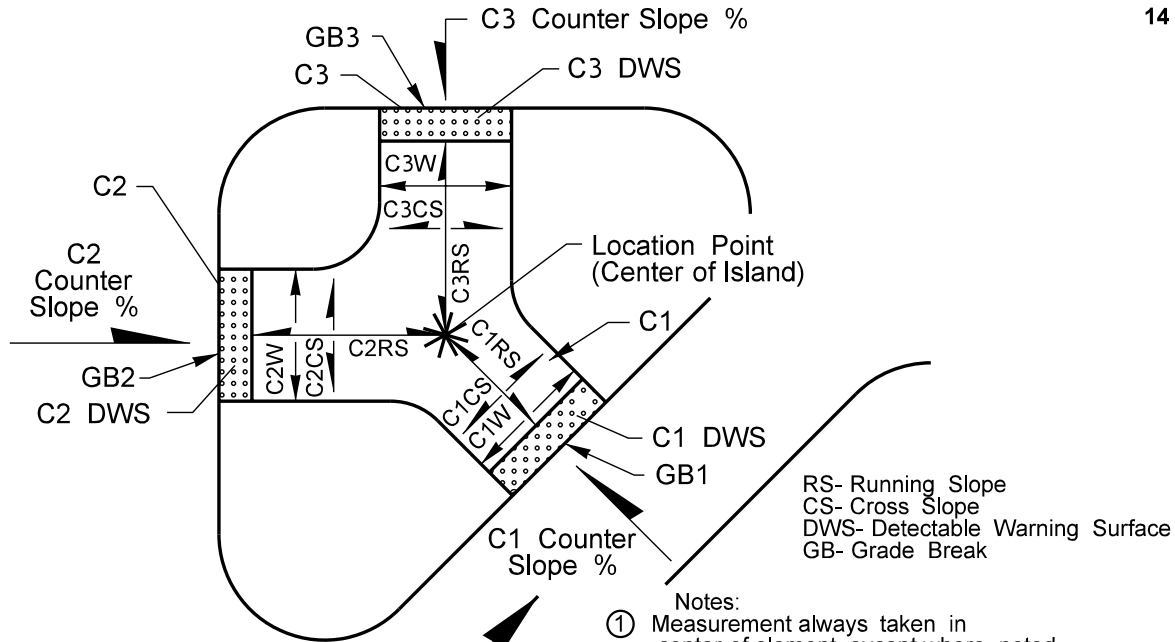
- 1) Measure CS & W for points #1, #2, & #3.
- 2) Project points 1 & 3 from where drive flare intercepts driveway approach.

ACCESS ACROSS



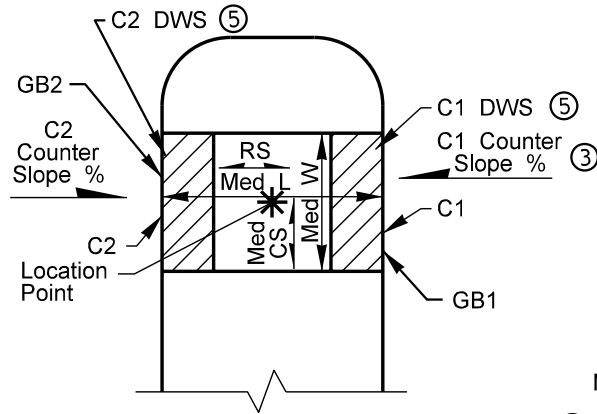
ACCESS JOGS AROUND

DRIVEWAYS

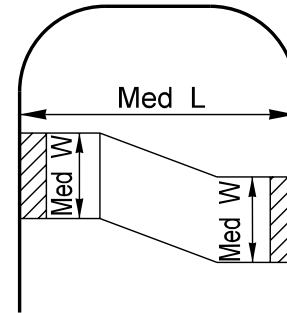


ISLAND PASS THRU

- Notes:
- ① Measurement always taken in center of element, except where noted.
 - ② Grade Breaks must be flush the entire width. Take worse case measurement for entire width.
 - ③ Counter Slopes are measured from face of curb to edge of gutter or 2 ft. max. from face of curb when gutter not present.
 - ④ Slope arrow indicates positive read. If both directions shown just record value.
 - ⑤ See Detectable Warning Surface detail.



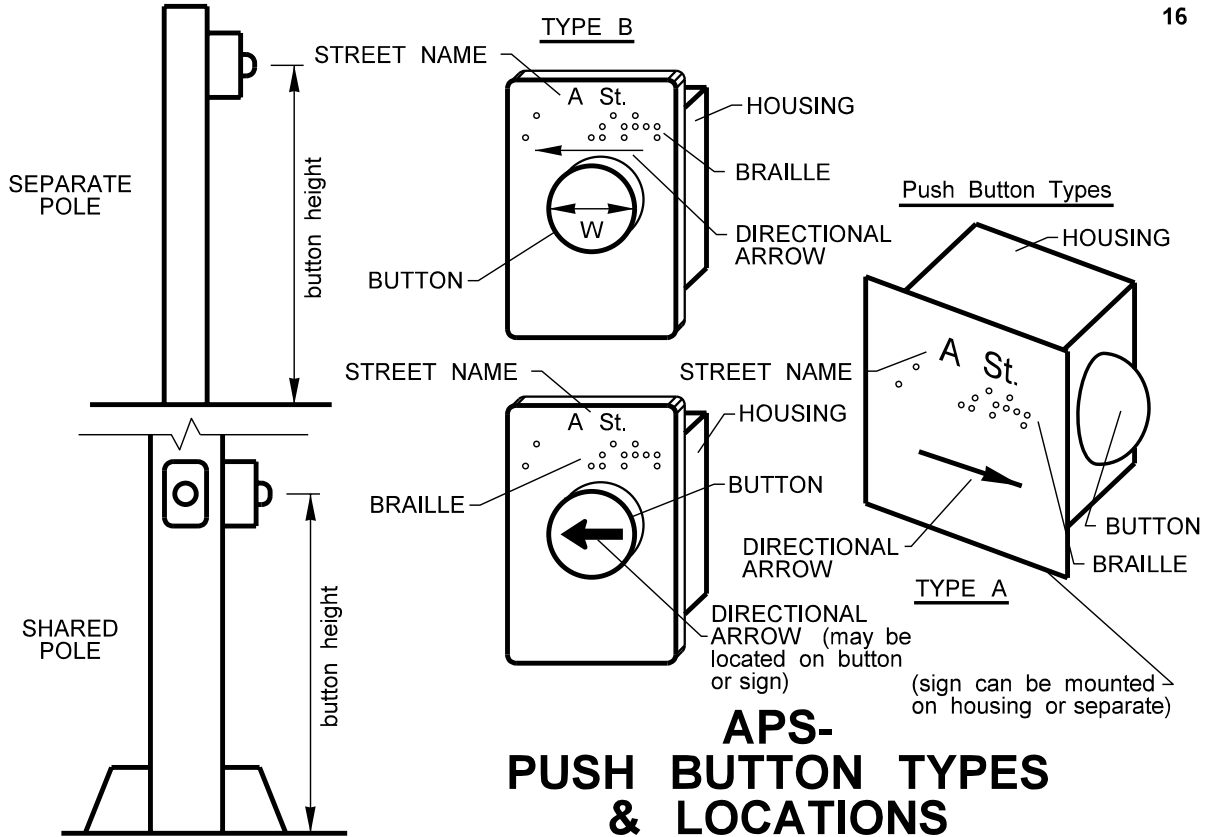
If median pass through
jogs, the length is
measured across median



Notes:

- ① Measurement always taken in center of element, except where noted.
- ② Grade Breaks must be flush the entire width. Take worse case measurement for entire width.
- ③ Counter Slopes are measured from face of curb to edge of gutter or 2 ft. max. from face of curb when gutter not present.
- ④ Slope arrow indicates positive read. If both directions shown just record value.
- ⑤ See Detectable Warning Surface detail.

MEDIAN PASS THRU



APS- PUSH BUTTON TYPES & LOCATIONS

APS Push Button - Type A



APS Push Button - Type B



APS Push Button - Type C



APS Push Button - Type D



APS Push Button - Type E

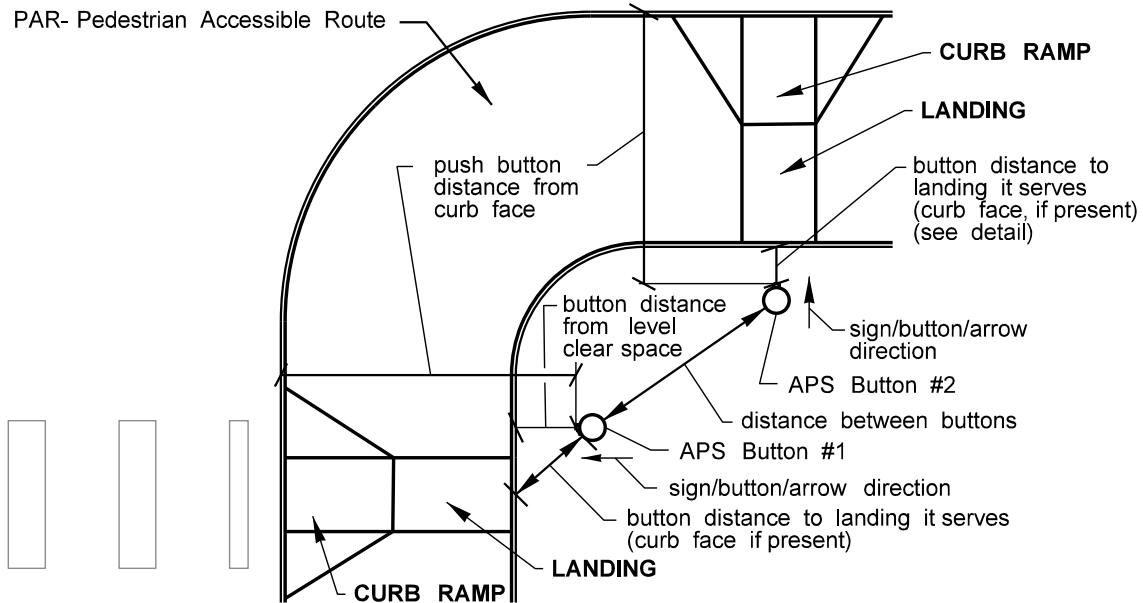


APS Push Button - Type F

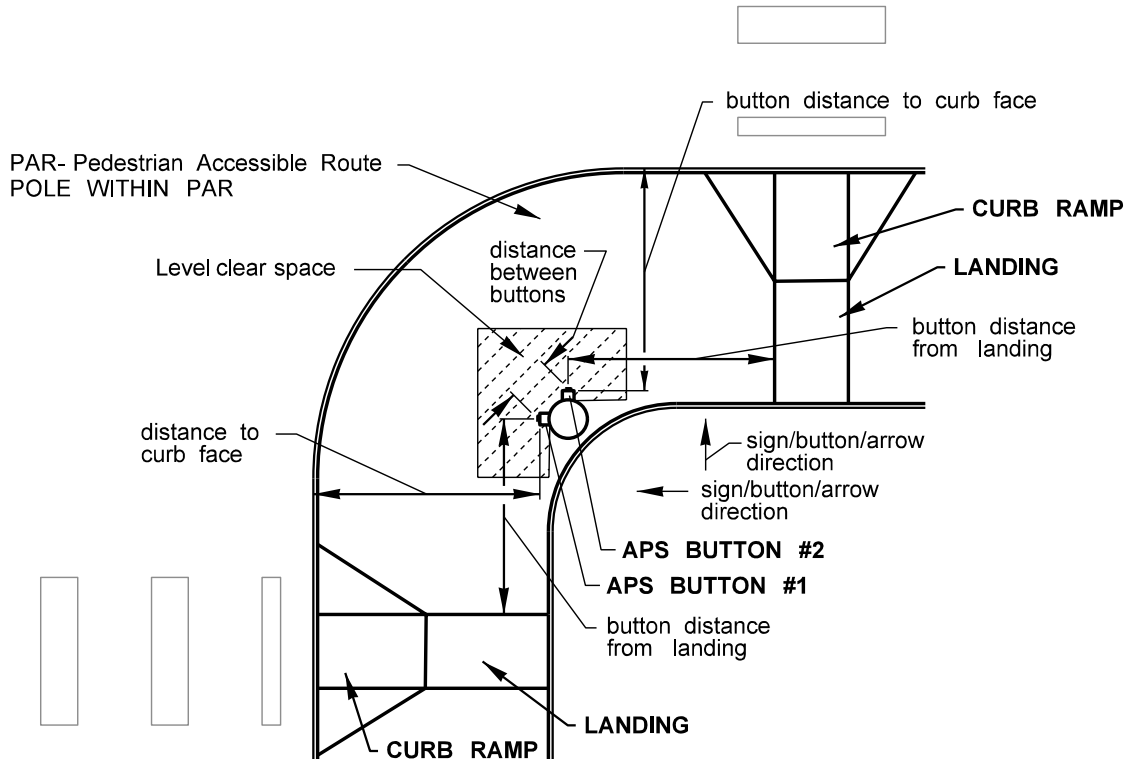


Notes:

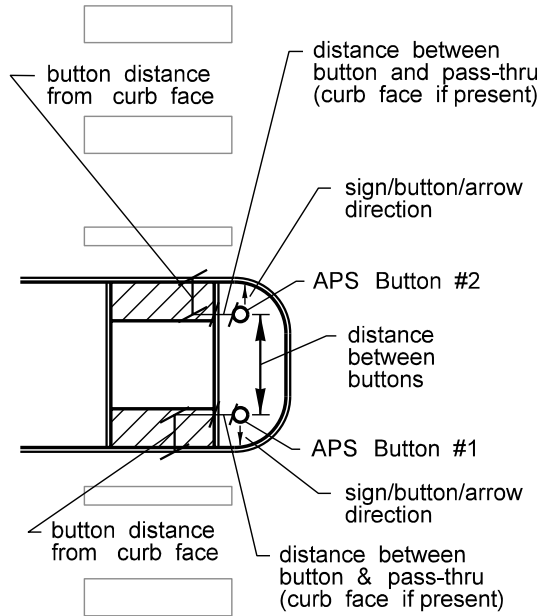
- ① Distances are measured from the button center.



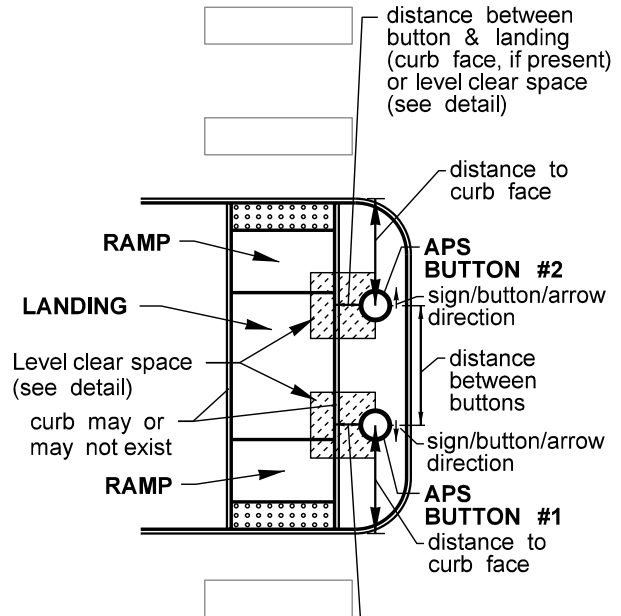
APS- PUSH BUTTON LOCATION- SEPARATE POLE



APS- PUSH BUTTON LOCATION- SHARED POLE



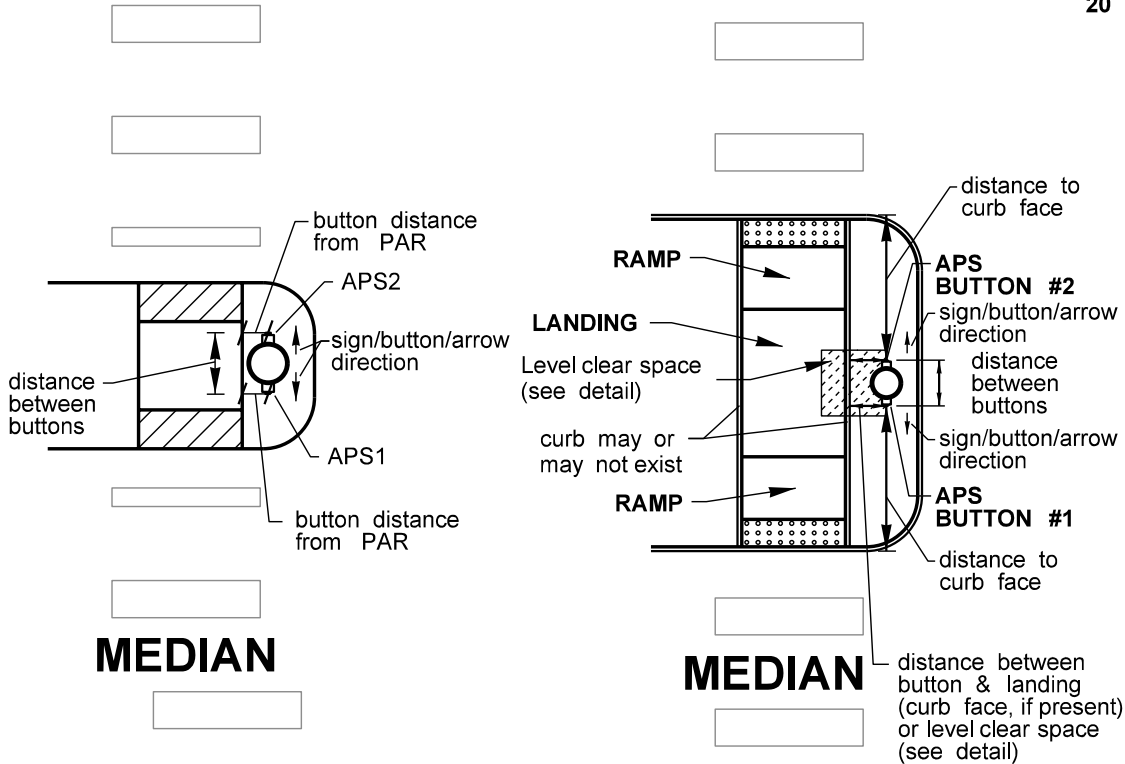
MEDIAN



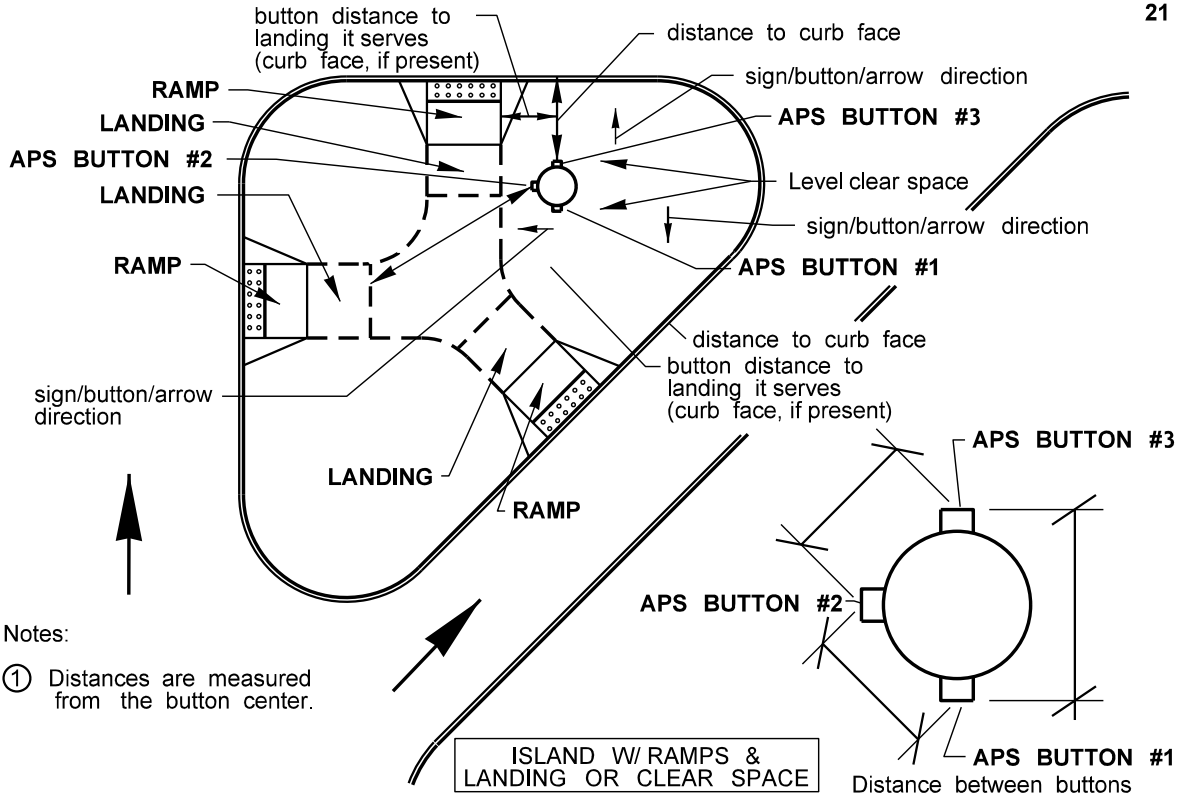
MEDIAN

Notes:

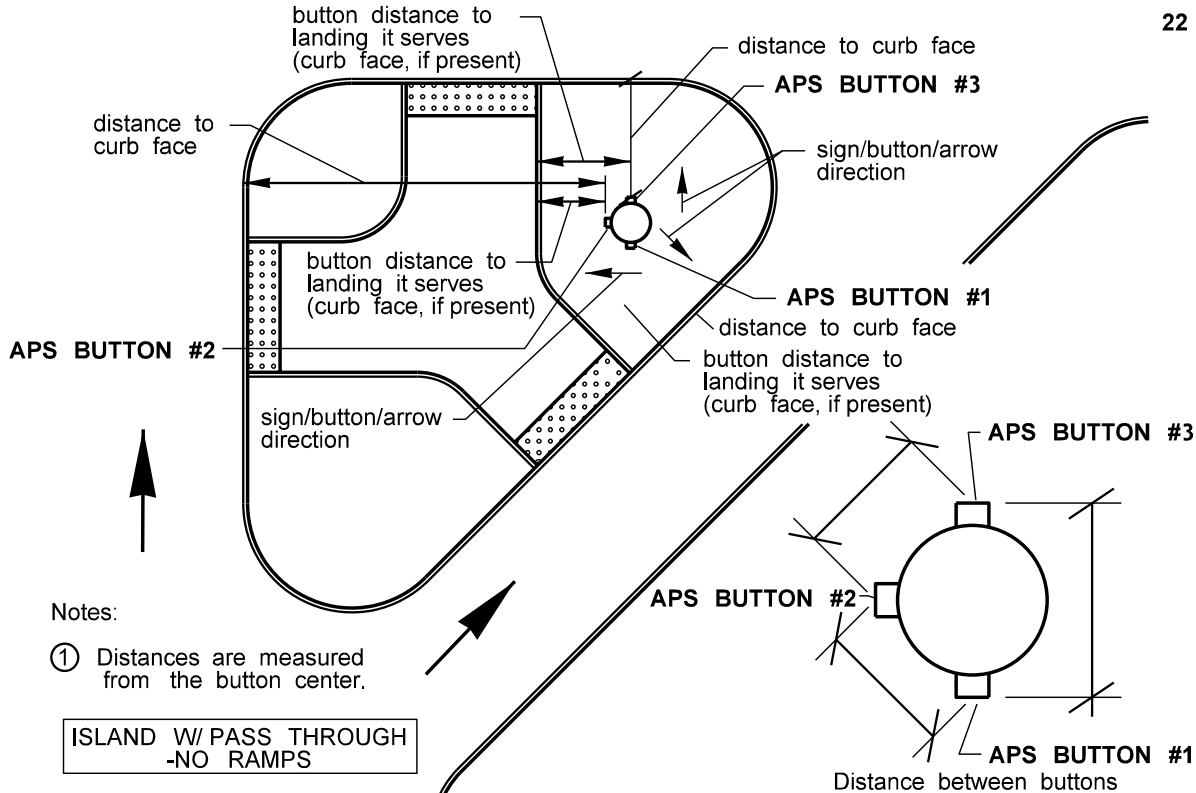
- ① Distances are measured from the button center.



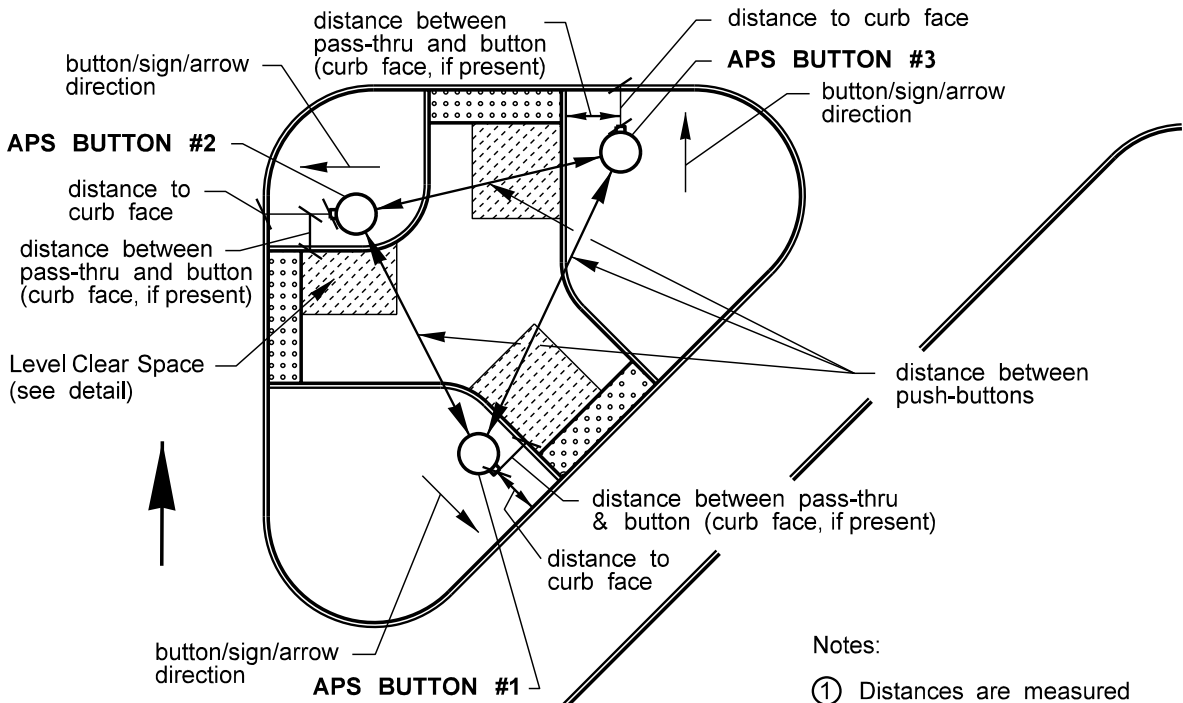
APS- PUSH BUTTON LOCATION- SHARED POLES



APS- BUTTON- SHARED POLE



APS- BUTTON - SHARED POLE

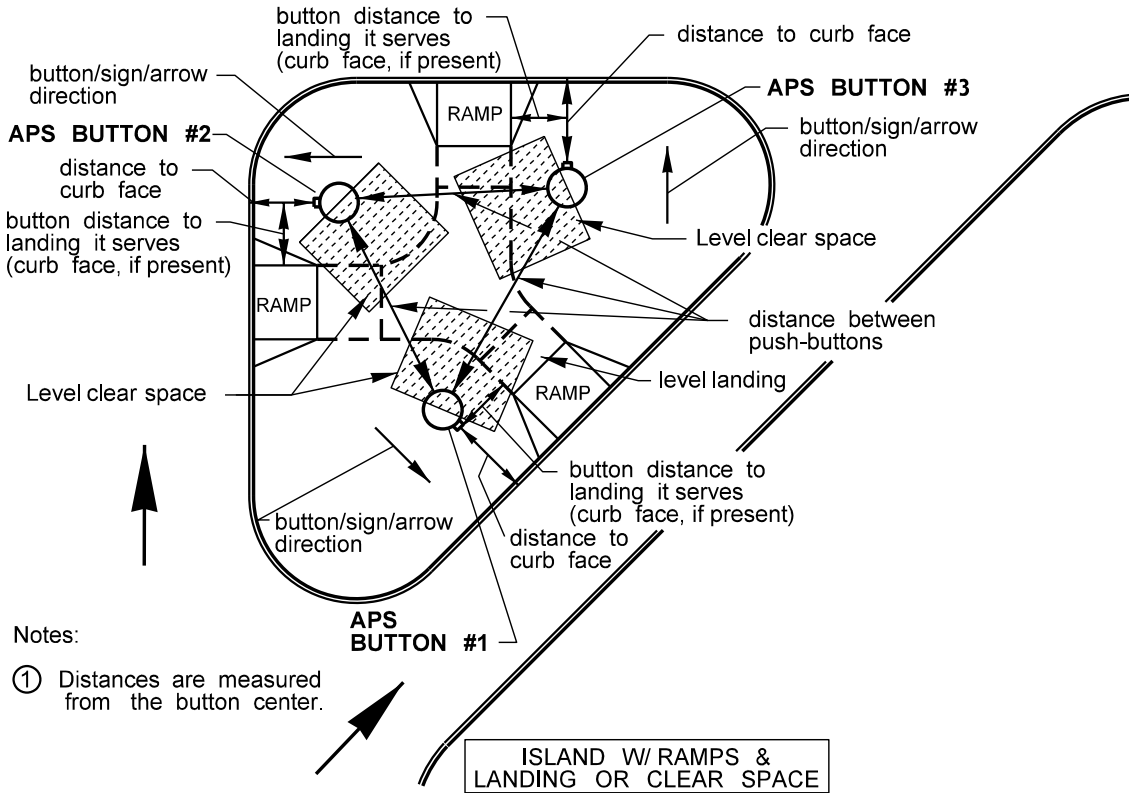


Notes:

- ① Distances are measured from the button center.

ISLAND W/ PASS THROUGH
-NO RAMPS

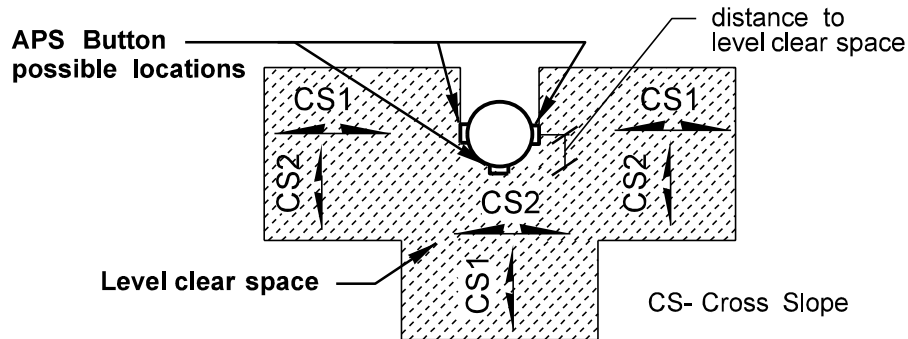
APS- BUTTON - SEPARATE POLES

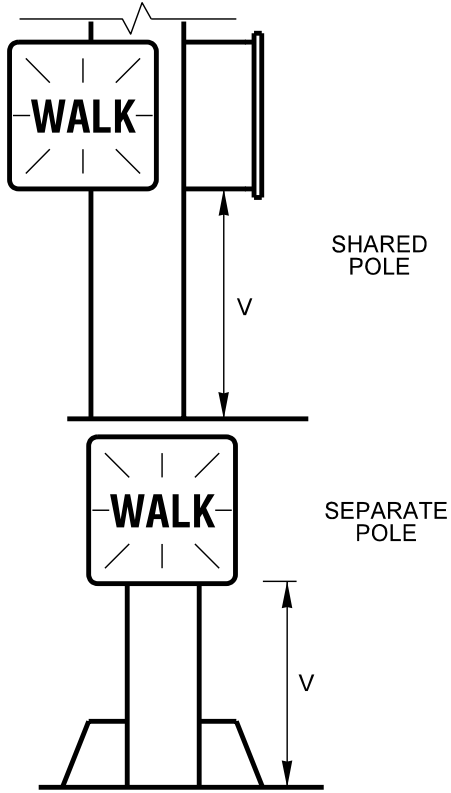


APS- BUTTON- SEPARATE POLES

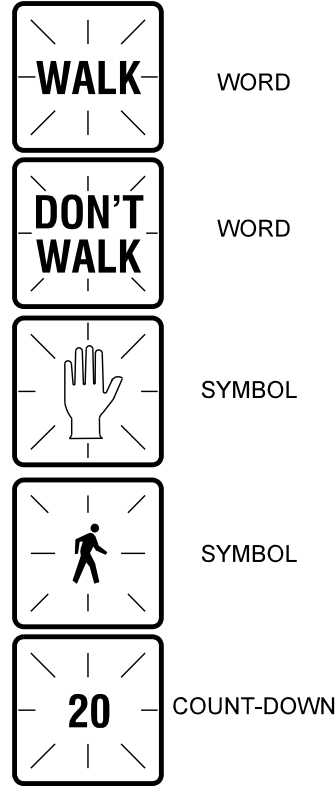
APS Clear Space

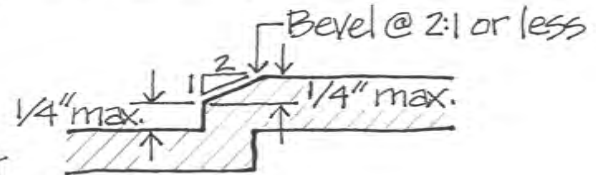
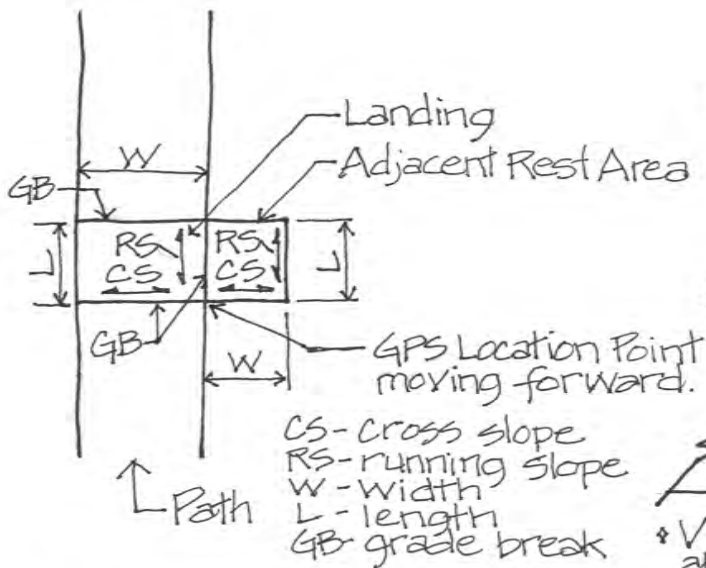
- ① If button is more than 24 inches from the landing edge, measure 2-1/2 ft. x 4 ft. max. level clear space
- ② Cross slope of the clear space shall be taken 2 feet from button in each direction
- ③ Slope arrow indicates positive read. If both directions are shown just record value.



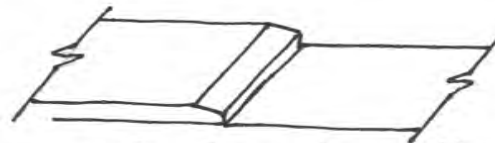


APS-SIGNAL TYPE & LOCATION





* V measured at worse case above 1/4".



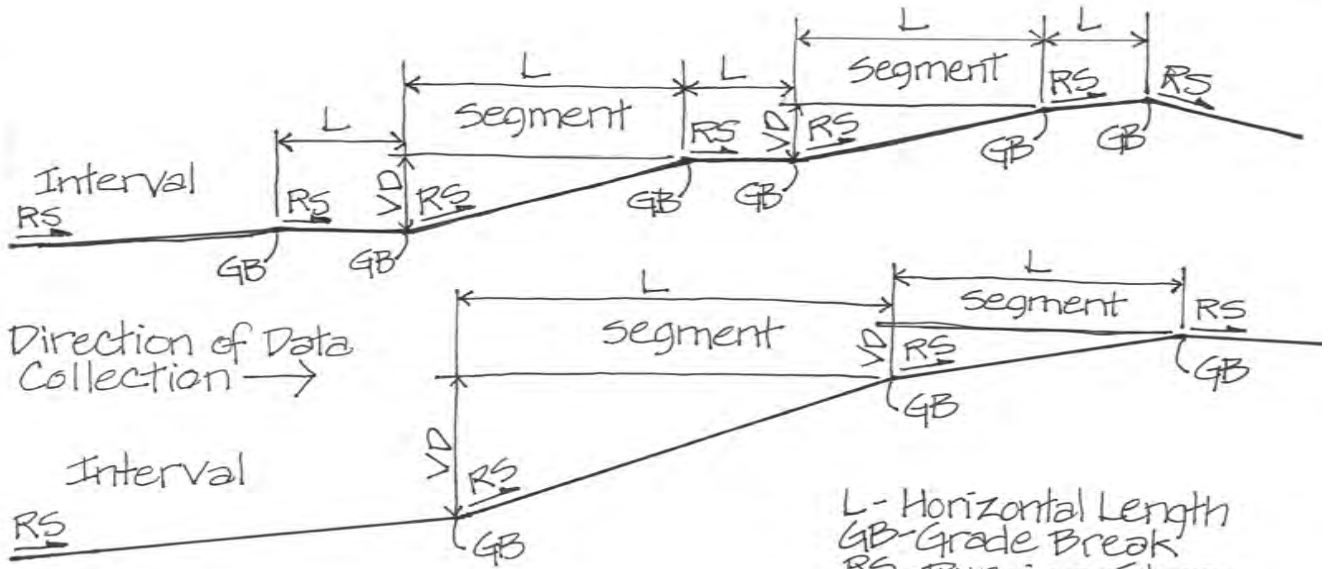
* Bevel can be built out from or ground off slab.

ADJACENT REST AREA

for Shared Use Paths.

SURFACE DISCONTINUITY

for all Pedestrian Accessible Routes



L - Horizontal Length
 GB - Grade Break
 RS - Running Slope
 VD - Vertical Distance

NOTES:

- ◆ If path RS $\leq 5\%$, measure at 50 foot intervals.
- ◆ If path RS $> 5\%$, measure as segments ≤ 25 feet.
- ◆ VD is measured only when segment RS $> 5\%$
- ◆ Horizontal length is measured level between GB line.
- ◆ Measure RS just past GB and in direction of data collection.

SHARED USE PATH

Bike/Pedestrian Paths.



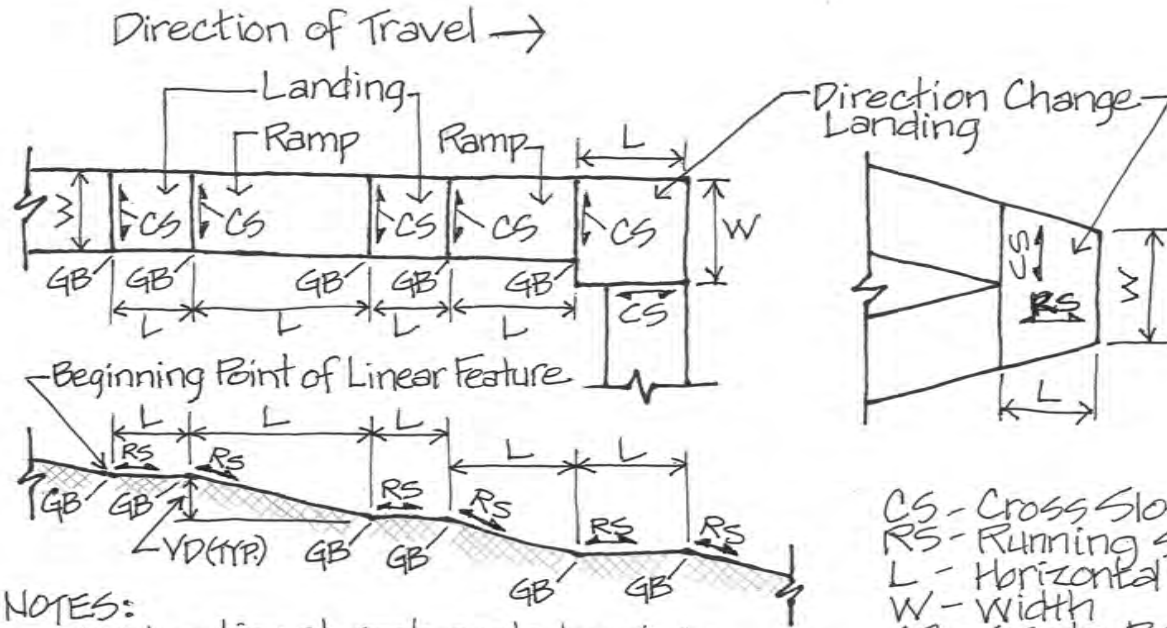
NOTES:

- ♦ Intervals do not exceed 50% RS. Measure every 50 feet.
- ♦ Segment is where $RS > 5\%$
- ♦ At first GB, go back 5' to begin first segment to capture if landing is present
- ♦ Segment Landing $\leq 2.0\%$
- ♦ Measure CS & RS just beyond GB.
- ♦ Measure VD for segment where $RS > 5\%$
- ♦ Measure RS in direction of data collection.

- W - width
- L - horizontal length
- CS - cross slope
- RS - running slope
- GB - grade break
- VD - vertical distance
- P1 - beginning point of segment
- P2 - ending point of segment

INDEPENDANT WALKWAY

within sites or where a sidewalk separates to independent horizontal & vertical alignment.



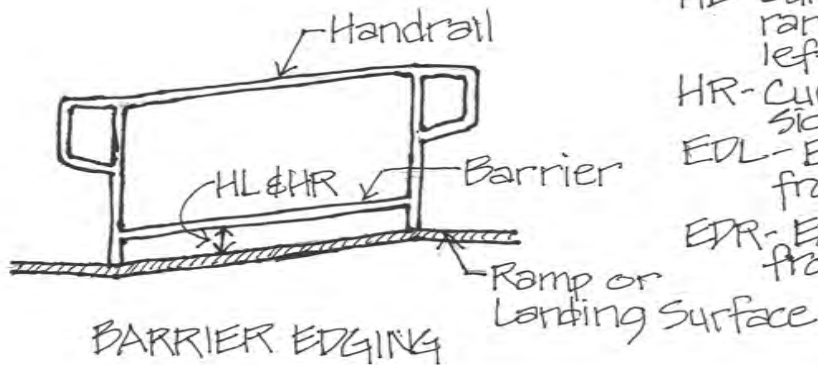
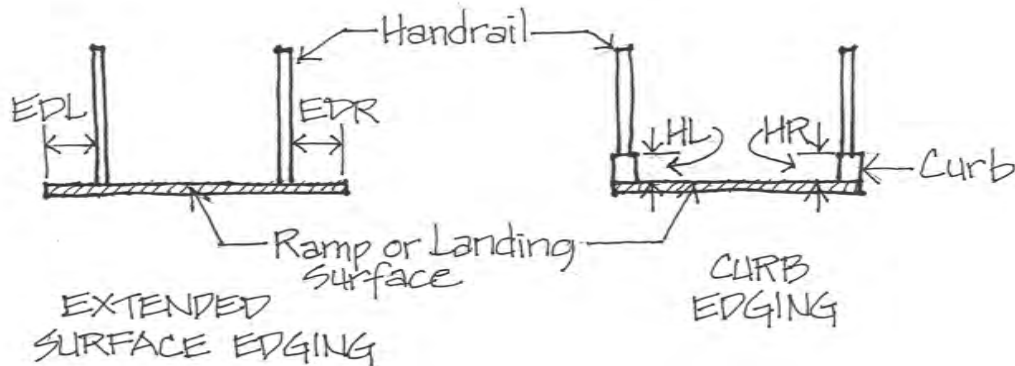
CS - Cross Slope
 RS - Running Slope
 L - Horizontal Length
 W - Width
 GB - Grade Break
 VD - Vertical Distance

NOTES:

- ◆ GPS Location at each grade break in middle of sidewalk.
- ◆ Measurements of CS & RS to be taken just beyond the GB.
- ◆ VD measured for all ramp runs.
- ◆ Ramp is $> 5\%$ RS.
- ◆ GB must be flush the entire width. If not, take greatest vertical measurement along GB line.
- ◆ Measure RS in direction of data collection.

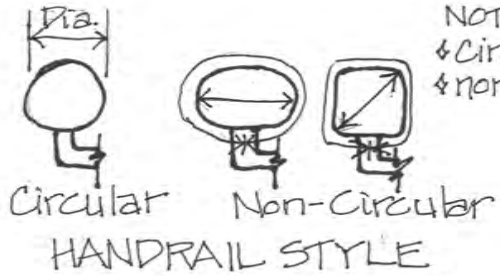
SITE/FACILITY* RAMP

*sites such as Rest Areas, Park & Rides.
Also access to ped over/under crossings.

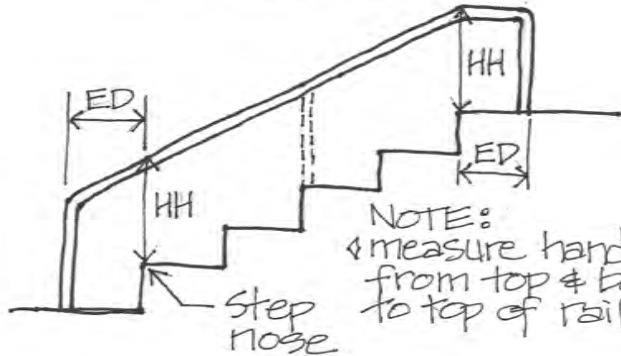
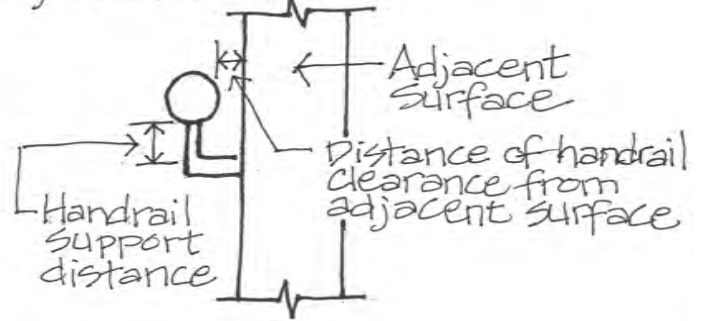


- HL - Curb or Barrier height from ramp or landing surface, left side.
- HR - Curb or Barrier height, right side.
- EDL - Extended surface distance from handrail, left side.
- EDR - Extended surface distance from handrail, right side.

EDGE PROTECTION

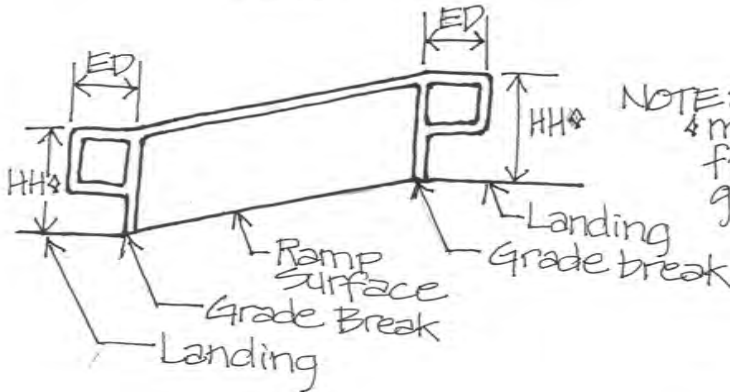


NOTE:
 ↳ Circular - measure diameter
 ↳ non-Circular - measure perimeter and longest dimension.



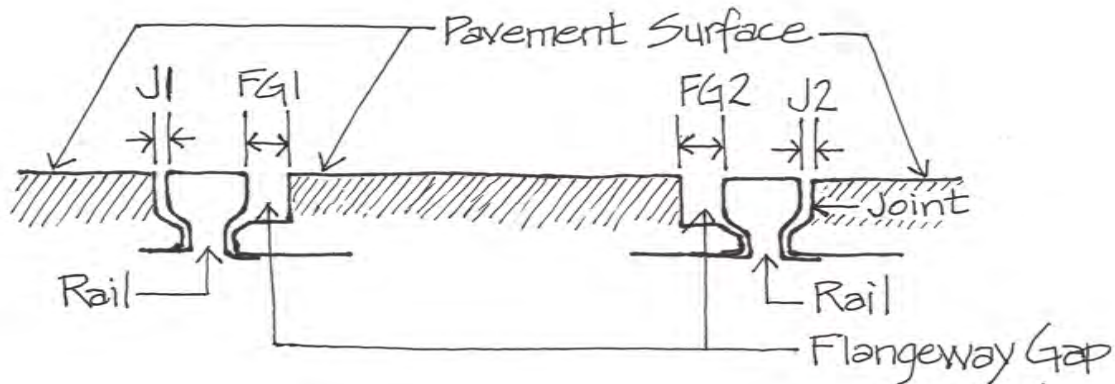
NOTE:
 ↳ measure handrail height from top & bottom step nose to top of rail.

HH - Handrail Height
 ED - Extension Distance

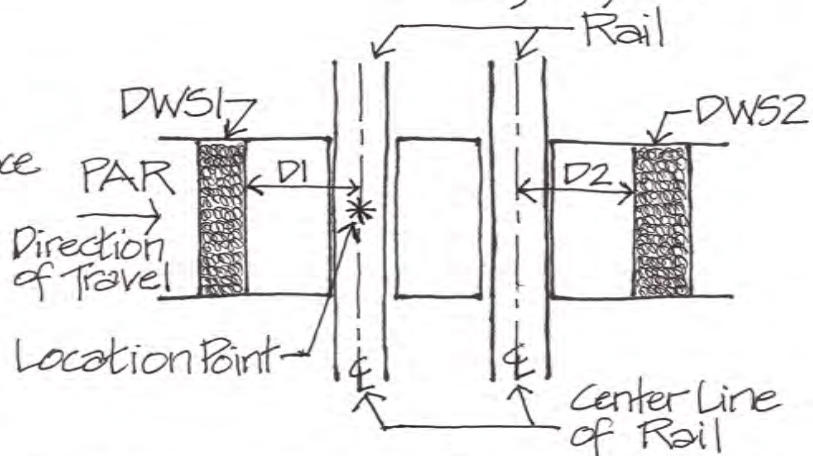


NOTE:
 ↳ measure handrail height from top & bottom ramp grade break to top of rail

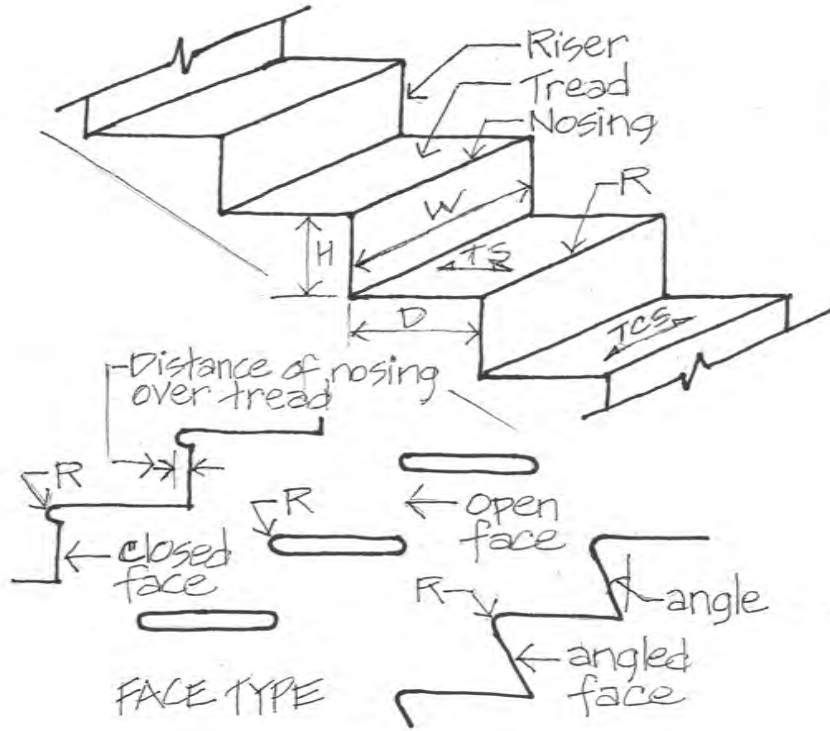
HANDRAILS



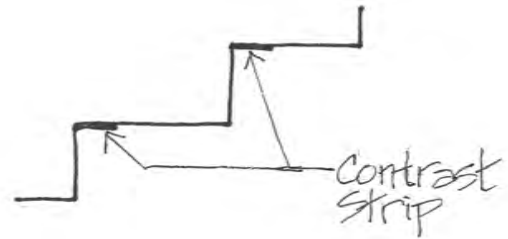
- J - Joint
- FG - Flangeway Gap
- DWS - Detectable Warning Surface
- PAR - Pedestrian Accessible Route
- D - Distance between DWS and Center of Rail



RAIL ROAD CROSSING



H - Riser Height
 D - Tread Depth
 W - Tread Width
 R - Nose Radius
 TS - Tread Slope
 TCS - Tread Cross Slope

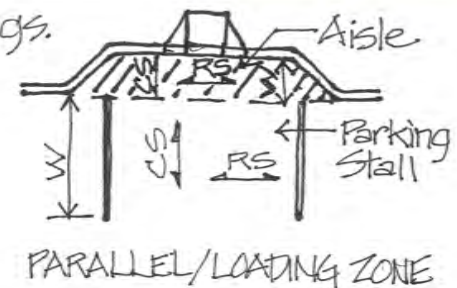
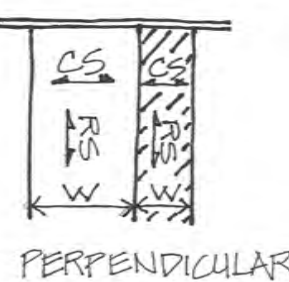
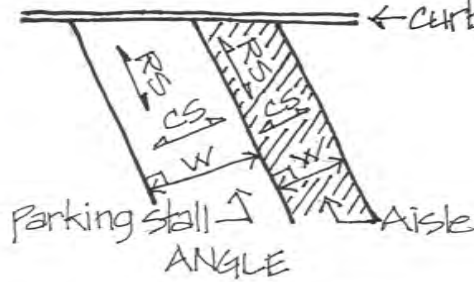


NOTES:

- ◆ Take measurements at top and bottom steps.
- ◆ If more than 10 steps take measurements of an additional step in the middle.

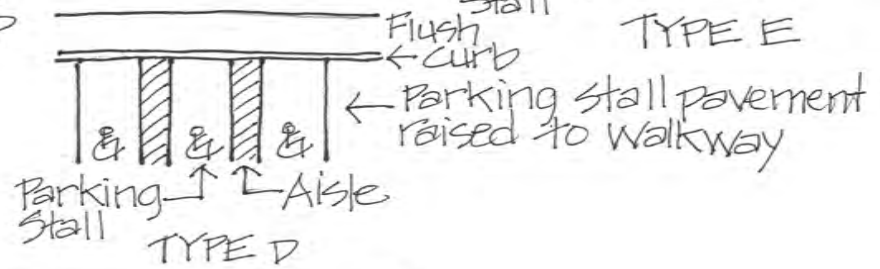
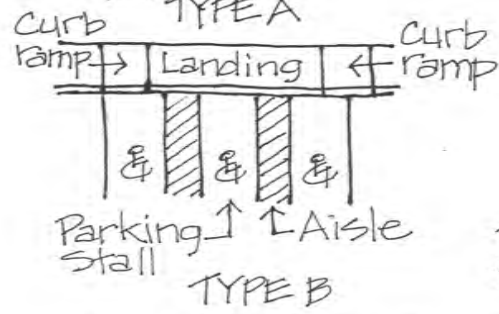
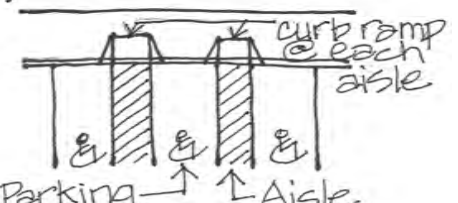
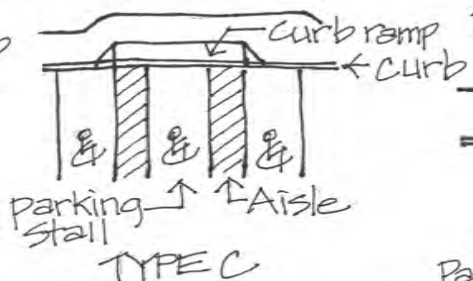
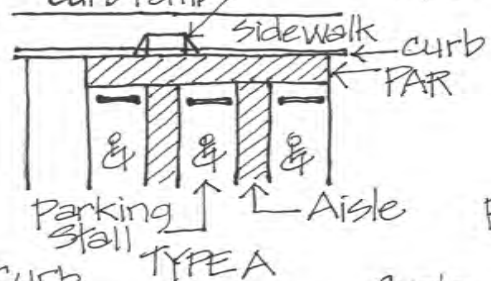
STAIRS

NOTE: \diamond measure W from center of pavement markings.



W - Width
 CS - Cross slope
 RS - Running slope
 PAR - Pedestrian accessible route

PARKING STALL TYPES



TYPES OF AISLE CONNECTION TO PAR

PARKING STALLS