

TRANSITION

ZONE LENGTH

(DIMENSION WILL VARY)

(DIMENSION WILL VARY) SUBMITTAL AND LAYOUT PARAMETERS / A PLAN VIEW \ -

TRANSITION

ZONE LENGTH

TABLE B SLOPE PARALLEL TO CURB								
		ACCESSIBLE ENTRANCE & TRANSITION ZONE						
LOCATION	LOCATION		CONSTRUCTION PARAMETERS	MIN. LENGTH	MAX. LENGTH			
ACCESSIBLE ENT ZONE	RANCE	0%-1.50%	0%-2.00%	4'	6' (SEE NOTE 13)			
TRANSITION Z	ONE	REFER TO STREET AND SIDEWALK GRADE TABLE		DETERMINED BY SLOPE	SEE NOTE 14			
NON-ACCESSI ENTRANCE ZO (SEE NOTE	NE	0%-7.50%	0%-8.33%	WIDTH OF ENTRANCE	WIDTH OF ENTRANCE			

STREET AND SIDEWALK TABLE C GRADE TABLE (SEE NOTE 7)

CONCRETE CURB AND GUTTER

SEE CITY STD. PLANS

	TRANSITION ZONE			
STREET GRADE (PARALLEL TO CURB) [SG]	SIDEWALK DESIGN PARAMETERS (SEE NOTE 8) [SD]	SIDEWALK CONSTRUCTION PARAMETERS [SC]		
<u>≤</u> 4.00%	0%-4.50%	0%-5.00%		
>4.00%	[SD] = [SG]*(34')/(30')	[SC] = 100* TAN(ARCTAN [[SD]/100] + 0.477°)		

[SG] = EXISTING SLOPE OF ROADWAY (%)

NON-ACCESSIBLE

ENTRANCE

ZONE

[SD] = DESIGN MAXIMUM SLOPE (%)

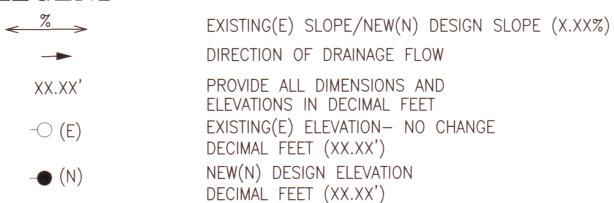
SCT = CONSTRUCTION MAXIMUM SLOPE (%)

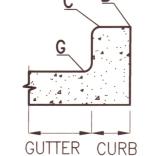
SEE SECTION DIAGRAM ABE-4

CROSS SLOPE PERPENDICULAR TO CURB ACCESSIBLE ENTRANCE & TRANSITION ZONE DESIGN CONSTRUCTION **PARAMETERS** MIN. WIDTH MAX. WIDTH **PARAMETERS** (SEE NOTE 8) 0% - 7.50%1 SIDEWALK 0% - 8.33%0' (SEE NOTE 10) (SEE NOTE 10) 0% - 1.50%6' (SEE NOTE 11) NONE 0% - 2.00%TREE WELL/ 0% - 6.00%0% - 6.50%ANDSCAPING 4-5' TYP. 0% - 6.50%6" 2' 0% - 6.00%

- 1. SEE ALL GENERAL NOTES AND SUBMITTAL REQUIREMENTS ON SHEET ABE-2.
- 2. FOR ENTRANCES NEAR CURB RAMPS OR CROSSWALK ALIGNMENT AREAS, IF WORK IN A CURB RETURN OR OTHER AREA REQUIRING CURB RAMPS AT CROSSWALKS IS INVOLVED IN THE WORK, CURB RAMPS MAY BE REQUIRED. SEE PUBLIC WORKS ORDER NOS.
- 3. LEVEL LANDINGS ARE REQUIRED AT THE UPPER AND LOWER ENDS OF CURB RAMPS FOR ACCESSIBLE ENTRANCES (CONSTRUCTED SLOPE LESS THAN OR EQUAL TO 2.08% (1:48) SLOPE IN ALL DIRECTIONS).
- 4. THE SLOPE BETWEEN TWO SPOT ELEVATION POINTS WITHIN INDIVIDUAL SIDEWALK ZONES MAY BE PROVIDED WITH A POSITIVE OR NEGATIVE SLOPE WITH RESPECT TO THE PROPERTY LINE AND THE ROADWAY. THE OVERALL DRAINAGE PATTERN MUST AVOID PONDING AND DIRECT SURFACE WATER FLOW AWAY FROM THE PROPERTY LINE TO THE ROADWAY OR OTHER STORM WATER CONVEYANCE OR
- 5. CONSTRUCTED SLOPES GREATER THAN 2.08% ARE ALLOWABLE WITH DOCUMENTATION FROM SFDBI THAT LOWERING THE ENTRANCE THRESHOLD/LANDING ARE IS NOT TECHNICALLY FEASIBLE OR POSES AN UNREASONABLE HARDSHIP. SFDBI APPROVAL OF DA-04
- 6. ENTRANCE AREA WITHIN PROPERTY LINE MAY SLOPE IN ACCORDANCE WITH SFDBI DA-04 OR DA-05 WITH POWER DOOR OPERATOR.
- 7. STREET AND SIDEWALK GRADE TABLE IS PROVIDED IN ORDER TO PRESERVE EXISTING STREET TOPOGRAPHY AND MINIMIZE MAJOR DEVIATIONS BETWEEN STREET AND SIDEWALK SLOPES.
- 8. SIDEWALK DESIGN PARAMETERS ARE SUGGESTED DESIGN LIMITS INCORPORATING INDUSTRY STANDARD CONSTRUCTION TOLERANCES ESTABLISHED FOR CONCRETE SIDEWALKS IN ACI 117 "SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS." DESIGNERS ARE ENCOURAGED TO USE INDUSTRY STANDARD CONSTRUCTION TOLERANCES APPROPRIATE FOR EACH PROPOSED MATERIAL OR ASSEMBLY IN ORDER THAT THE CONSTRUCTED RESULTS DO NOT EXCEED THE LIMITS SET BY THE LISTED CONSTRUCTION
- 9. FOR STREET SLOPES GREATER THAN 30%. THE SIDEWALK MAY BE REQUIRED TO BE STEPPED AND FOLLOW STAIRWAY REQUIREMENTS.
- 10.FRONTAGE ZONE: THE ALLOWABLE WIDTH OF FRONTAGE ZONE ENCROACHMENTS, INCLUDING SURFACE SLOPES IN EXCESS OF 2.08% (1:48) REQUIRE PUBLIC WORKS BUREAU OF STREET USE AND MAPPING APPROVAL ON A CASE BY CASE BASIS. PER THE SF BETTER STREETS PLAN, NOT ALL SIDEWALKS HAVE OR CAN HAVE A FRONTAGE ZONE, ESPECIALLY NARROW SIDEWALKS.
- 11. PEDESTRIAN THROUGH ZONE: THE SF BETTER STREETS PLAN REQUIRES A WIDTH OF NOT LESS THAN 6 FEET IN THE PEDESTRIAN THROUGHWAY ZONE TYPICALLY. THIS WIDTH MAY BE REDUCED TO 5 FEET OR AS LITTLE AS 4 FEET ON A CASE BY CASE BASIS. WIDTHS LESS THAN 4 FEET REQUIRE APPROVAL BY THE PUBLIC WORKS ADA/DISABILITY ACCESS COORDINATOR.
- 12.FURNISHING & EDGE ZONE: AT BUS & TRANSIT STOPS, ACCESSIBLE PASSENGER LOADING ZONES (WHITE CURB), ACCESSIBLE PARKING SPACES (BLUE CURB), THE MAXIMUM DESIGN AND CONSTRUCTED CROSS-SLOPE RANGES SHALL BE AS REQUIRED FOR ACCESSIBLE PEDESTRIAN THROUGHWAY ZONES TYPICALLY.
- 13. ACCESSIBLE ENTRANCE ZONE: LENGTH OF ACCESSIBLE ENTRANCE ZONE MAY BE GREATER THAN 4 FEET AT WIDER DOORWAYS, IF THE RESULTING SLOPES AT ADJOINING FURNISHING AND EDGE ZONE AND TRANSITION ZONES MEET PRESCRIBED PARAMETERS.
- 14. TRANSITION ZONE: THE MAXIMUM LENGTH OF THE TRANSITION ZONE SLOPE MAY BE LIMITED BY THE SLOPE OF THE SURFACE ITSELF OR BY NEARBY FIXED ELEMENTS SUCH AS ADJACENT ENTRANCES, GARAGE DOOR OPENINGS, OR OTHER EXISTING ITEMS ON A CASE BY CASE BASIS. THE PURPOSE OF THIS STANDARD IS TO PROVIDE A SURFACE THAT DOES NOT SLOPE MORE THAN THE ADJOINING ROADWAY ANYMORE THAN IS TECHNICALLY FEASIBLE AND PRUDENT FOR PEDESTRIAN USE.
- 15.NON-ACCESSIBLE ENTRANCE ZONE: THE MAXIMUM CONSTRUCTED SLOPE OF NON-ACCESSIBLE ENTRANCE ZONES MAY BE 8.33% WHERE THE SLOPE OF THE ADJOINING ROADWAY IS 9.00% OR GREATER. IF THE CONSTRUCTED SLOPE AT EXISTING NON-ACCESSIBLE ENTRANCES IS GREATER THAN 8.33%, IT MAY REMAIN UNCHANGED FOR THE PURPOSES OF THIS STANDARD. WHERE LIMITING THE SLOPE TO 8.33% IS NOT TECHNICALLY FEASIBLE DUE TO EXISTING CONDITIONS, HIGHER SLOPES MAY BE ALLOWED ON A CASE BY CASE BASIS.

LEGEND





WHERE B EL = C EL, B IS NOT TYPICALLY INDICATED ON PLANS. LABEL B AS TC XX.XX' AND LABEL (AS FL XX.XX'

FL = FLOW LINE

PL = PROPERTY LINE G = GUTTEREL = ELEVATION

					REFERENCE INFORMATION & FILE NO. OF SURVEYS
					1
NO.	DATE	DESCRIPTION	BY	APP.	
TABLE OF REVISIONS			1		

PUBLIC WORKS DISABILITY ACCESS COORDINATOR

EFFECTIVE DATE: VANCARY 1, 2019

NON-ACCESSIBLE

ENTRANCE



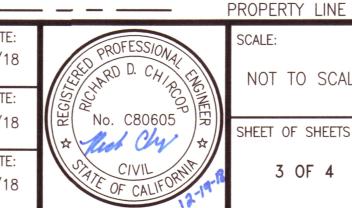
PUBLIC WORKS

ACCESSIBLE

ENTRANCE

BUREAU OF DESIGN & ENGINEERING CITY & COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS 30 VAN NESS AVENUE, 5TH FLOOR SAN FRANCISCO, CA 94102 - 6028

	Date:	DESIGNED:	DATE:
Acting Section Mgr: ERIC KJELSBERG	12/19/18	PUBLIC WORKS	12/18
Bureau Mgr: PATRICK RIVERA	12/20/18	DRAWN: PUBLIC WORKS	DATE: 12/18
City Engineer: JOHN THOMAS	12/20/18	CHECKED: PUBLIC WORKS	DATE: 12/18



NOT TO SCALE SHEET OF SHEETS 3 OF 4

ACCESSIBLE BUSINESS ENTRANCE PROGRAM ALTERATION STANDARD FOR SIDEWALKS AT ENTRANCES TO EXISTING FACILITIES

LAYOUT PARAMETERS

PLAN VIEW

RAWING NO. ABE-3112,444 REV. NO.

ONTRACT NO.