

TABLE 1

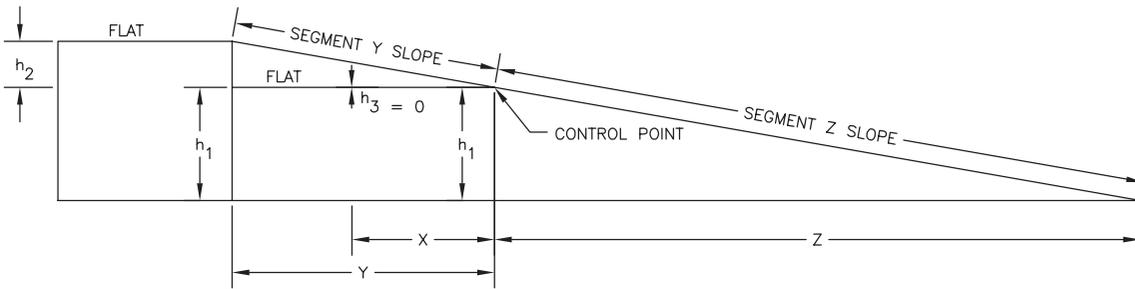
	SLOPE IN %	SEGMENT Z	(h ₁)	SEGMENT Y	(h ₂)
WALK WHEN SLOPE IS LESS THAN 5% (PATH IS CONSIDERED A WALK)	4.0	50	(2.0)	12.5'	(.5) *
	5.0	40	(2.0)	10.5'	(.5) **
RAMP ANY SLOPE OVER 5% (THE WALKWAY IS CONSIDERED A RAMP AND NEEDS TO MEET GUIDELINES)	6.0	33	(2.0)	10.5'	(.5)
	7.0	29	(2.0)	10.5'	(.5)
	8.0	25	(2.0)	10.5'	(.5)

TABLE 2

SLOPE IN %	SEGMENT X	(h ₃)	SLOPE
4.0	4'6"	0	0***
5.0	4'6"	0	0
6.0	4'6"	0	0
7.0	4'6"	0	0
8.0	4'6"	0	0

* MIN LENGTH – NOT SHOWN ON DRAWING
 ** LENGTH SET BY DESIGN
 *** SLOPE IS SET AT ZERO FOR SIMPLICITY

h₁ CORRESPONDS TO SEGMENT Z
 h₂ CORRESPONDS TO SEGMENT Y
 h₃ CORRESPONDS TO SEGMENT X



DOUBLE RAMP SLOPE

$$\frac{h}{L} = \text{SLOPE \%}$$

$$h = 2.5'$$

$$Y + Z = \frac{2.5}{\text{SLOPE}}$$

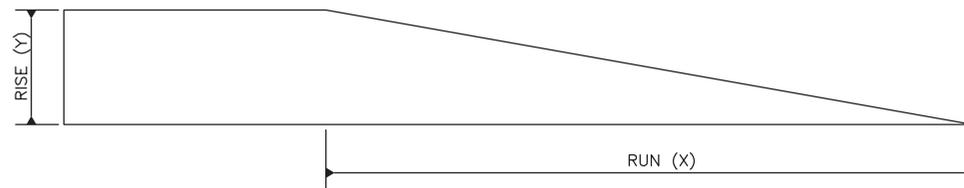
$$X + Z = L$$

$$\frac{2.5}{\text{SLOPE}} = L$$

$$h_1 + h_2 = 2.5'$$

$$h_2 = 0.5'$$

$$h_3 = 0$$



(EXAMPLE: IF Y=1'-0" AND X=12'-0", THE SLOPE = 1:12 OR IF Y=2'-0" AND X=24'-0", THE SLOPE =1:12)

SINGLE RAMP SLOPE

Copies of these drawings have been distributed for review. Final approval and signature are pending.

DRAFT

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UNLESS OTHERWISE SPECIFIED	DATE	REVISION	BY
TOLERANCES: FRACTIONS +/- _____ DECIMALS +/- _____ ANGLES +/- _____ DIMENSIONS ARE IN INCHES BREAK SHARP EDGES		U. S. DEPT. OF AGRICULTURE FOREST SERVICE TECHNOLOGY & DEVELOPMENT CENTER MISSOULA, MONTANA	
DRAWN D.MUCCI		TITLE	
DESIGNED S.ORAVETZ		ACCESSIBLE BOAT RAMP	
CHECKED S.ORAVETZ		FOR DRY LAND LOADING & UNLOADING	
APPROVED S.ORAVETZ			
SCALE FULL	979-8.DWG		
DATE JAN 2000	SHEET 8 OF 8	MTDC- 979	