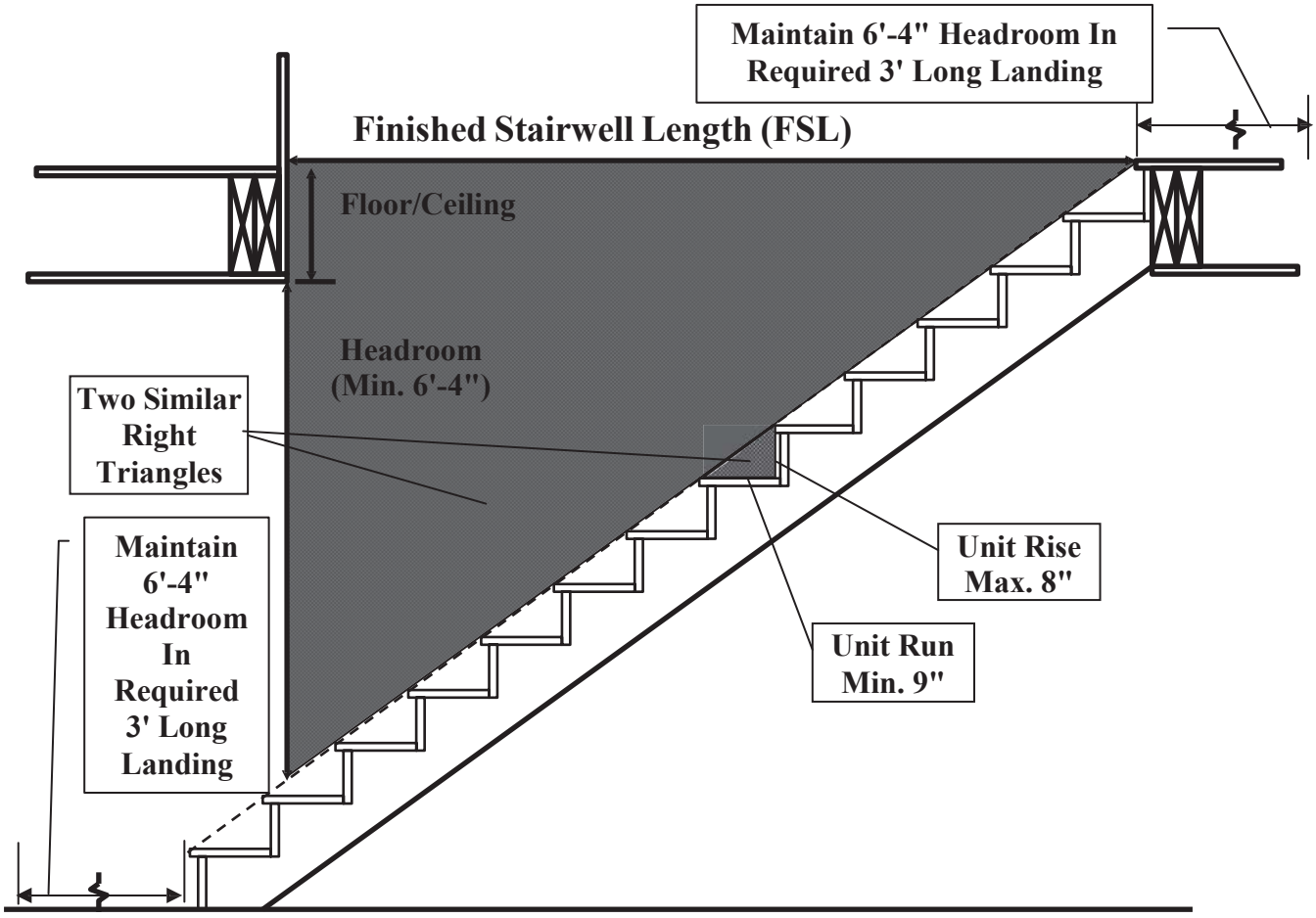
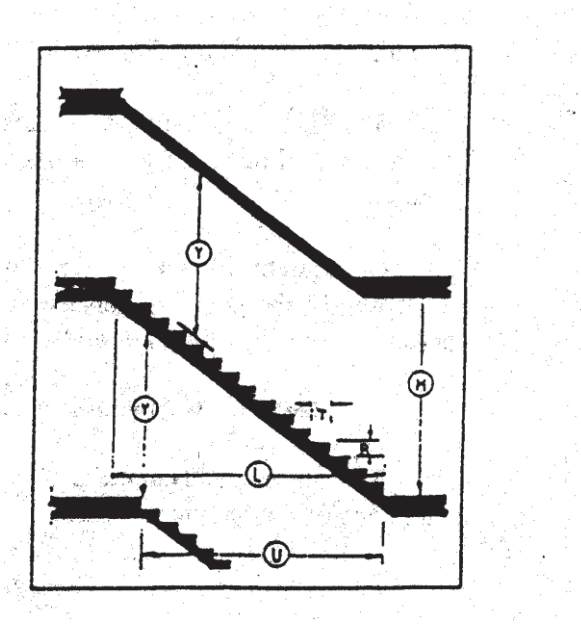
321.04(2)(d)3.&4. Planning for Stair Headroom



$$\frac{\text{Headroom + Floor/Ceiling Depth (HFCD}}{\text{Unit Rise}} = \frac{\text{Finished Stairwell Length(FSL)}}{\text{Unit Run}}$$

$$\text{So to solve for FSL, FSL} = \frac{\text{Unit Run x HFCD}}{\text{Unit Rise}}$$



Straight Stairs

Height Floor to Floor M	Number of Risers	Height of Risers R	Width of Treads T	Total Run L	Minimum Headroom Y	Well Opening U
8'0"	12 13 13	8" 7 3/8" + 7 3/8" +	9" 9 1/2" 10"	8'-3" 9'-6" 10'-0"	6'-4" 6'-4" 6'-4"	8'-1" 9'-2 1/2" 9'-8 1/2"
8'6"	13 14 14	7 7/8" – 7 5/16" – 7 5/16" -	9" 9 1/2" 10"	9'-0" 10'-3 1/2" 10'-10"	6'-4" 6'-4" 6'-4"	8'-3" 9'-4" 9'-10"
9'0"	14 15 15	7 11/16" – 7 3/16" + 7 3/16"	9" 9 1/2" 10"	9'-9" 11'-1" 11'-8"	6'-4" 6'-4" 6'-4"	8'-5" 9'-6 1/2" 9'-11 1/2"