



**How to determine the Average Finished Grade (AFG)
(SMC 21A.25.050)**

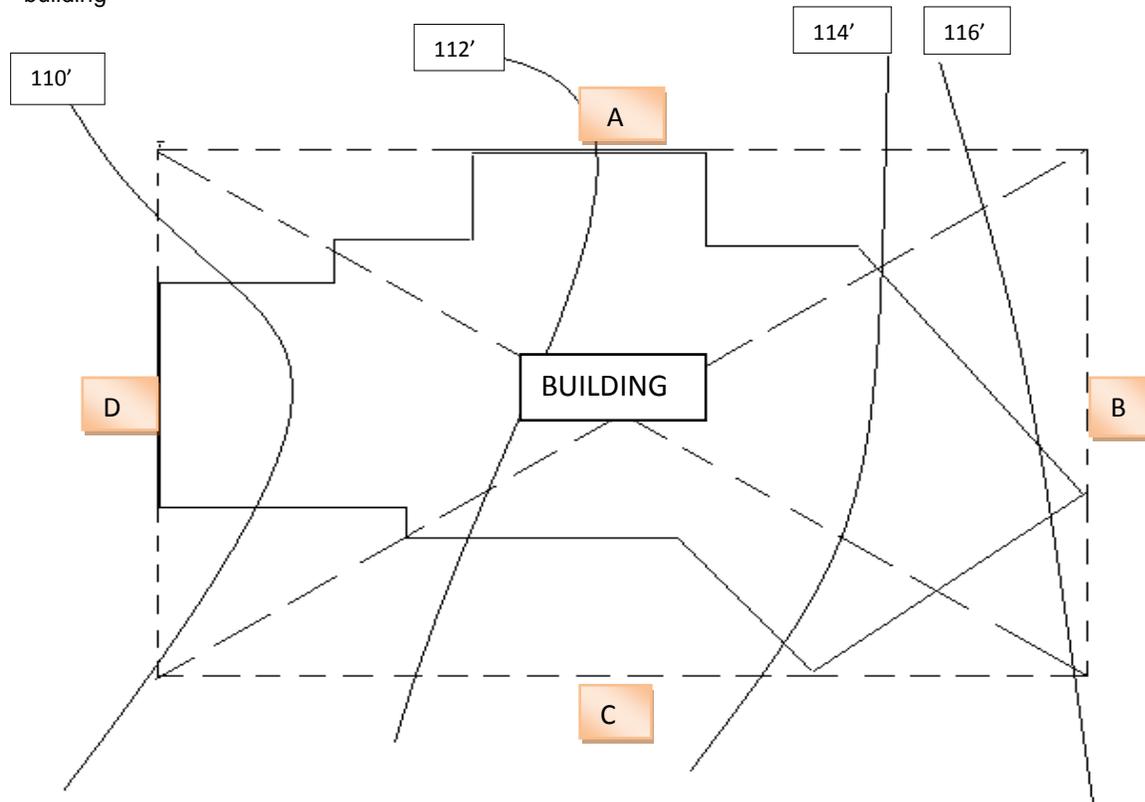
21A.25.050 Measurement methods.

The following provisions shall be used to determine compliance with this title:

- (3) Building height shall be measured from the average **finished** grade to the highest point of the roof. The average finished grade shall be determined by first delineating the smallest square or rectangle that can enclose the building and then averaging the elevations taken at the midpoint of each side of the square or rectangle; provided, that the measured elevations do not include berms;

Procedure:

1. The average finished grade shall be determined by first delineating the smallest square or rectangle that can enclose the building



2. Determine AFG:

(AVERAGE FINISHED GRADE CALCULATIONS TO BE SHOWN ON SITE PLAN.)

Average the elevations taken at the midpoint of each side of the square or rectangle;:

(Add the elevation at each point, then divide the total by four (number of mid-points of the rectangle, to determine the average.)

$$\text{Formula: } \frac{A + B + C + D}{4} = \frac{112 + 116.25 + 113 + 109}{4} = \frac{450.25}{4} = 112.56 \text{ AFG}$$

A	112	C	113
B	116.25	D	109

AVERAGE FINISHED GRADE (AFG) IS REQUIRED TO BE LOCATED & LABELED ON ELEVATION DRAWINGS.